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U. S. DEPARTMENT OF COMMERCE
ROY D. CHAPIN, Secretary

BUREAU OF THE CENSUS
W. M. STEUART, Director

FIFTEENTH CENSUS OF THE UNITED STATES

MANUFACTURES: 1929

VOLUME III

REPORTS BY STATES

STATISTICS FOR INDUSTRIAL AREAS COUNTIES, AND CITIES

PREPARED UNDER THE SUPERVISION OF LeVERNE BEALES
CHIEF STATISTICIAN FOR MANUFACTURES

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REPORTS ON MANUFACTURES AND MINES AND QUARRIES

FIFTEENTH DECENNIAL CENSUS: 1930

MANUFACTURES: 1929

Volume I.—General Report—Statistics by Subjects
Volume II.—Reports by Industries
Volume III.—Reports by States—Statistics for Industrial Areas, Counties, and Cities

MINES AND QUARRIES: 1929

LETTER OF TRANSMITTAL

DEPARTMENT OF COMMERCE,
BUREAU OF THE CENSUS,
Washington, D. C., August 10, 1932.

SIR: I transmit herewith Volume III of the reports of the Census of Manufactures for 1929. This census, which was taken in 1930 as part of the Fifteenth Decennial Census, is also the fifth of the biennial series of censuses of manufactures.

The manufactures reports for 1929 comprise three volumes. Volume I is a general report giving statistics for the United States as a whole, by industries and by States; Volume II is an assembly of the detailed reports for the 326 manufacturing and printing and publishing industries covered by the census; and Volume III is an assembly of detailed reports for the 48 States and the District of Columbia. Each of these volumes includes a summary covering all industries and all States.

Preliminary statistics for the individual States covered by this report were first issued in the form of press releases, and later the complete and detailed statistics were published in a series of separate reports in pamphlet form.

The statistics were compiled and published under the supervision of LeVerne Beales, chief statistician for manufactures, assisted by John F. Daly, executive chief of division. Certain special features of the General Summary section were prepared by Tracy E. Thompson, of the Ohio State University, temporarily employed in the Bureau of the Census as expert on the presentation and analysis of manufactures-census data.

Respectfully,

W. M. STEUART,
Director of the Census.

Hon. ROY D. CHAPIN,
Secretary of Commerce.

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CENSUS OF MANUFACTURES: 1929

GENERAL EXPLANATIONS

This volume is an assembly of the State series of manufactures-census reports for 1929, originally published in pamphlet form. Statistics are given for each State and for its "industrial areas" and industrially important counties and cities.

1. **Legal provision for biennial census.**—The census of manufactures for 1929 was the fifth of a series taken at 2-year intervals beginning with 1921. For these censuses, somewhat restricted in scope as compared with prior censuses taken at 5-year intervals, legal authority is found in section 32 of the Fourteenth Census Act and in section 17 of the Fifteenth Census Act. Censuses of manufactures were taken decennially prior to 1899 and quinquennially from 1899 to 1919, inclusive.

2. **Area and period covered.**—The canvass covered the 48 States and the District of Columbia. The returns relate to the calendar year 1929, or, in the cases of some establishments, to business or fiscal years ending within the period from April 1, 1929, to March 31, 1930, and cover a year's operations, except for establishments which began or discontinued business within the year.

3. **Scope of the census.**—The census statistics are compiled primarily for the purpose of showing (1) the production of each important class or kind of manufactured commodities, and the increase or decrease therein; (2) the absolute and relative magnitude of the various manufacturing industries covered, and their growth or decline; and (3) the industrial importance of individual States and cities and their changes in rank. In addition, statistics are presented which throw light on certain matters of economic and sociological importance, such as size of establishments, character of ownership (corporate or other), hours of labor, monthly employment of wage earners, power equipment, and fuel consumption.

The general statistical items for which data were collected at the census for 1929 were as follows: Time in operation and hours of labor; numbers and sex of proprietors and firm members, salaried officers and employees, and wage earners; monthly employment of wage earners; amounts paid in salaries and wages; cost of materials and containers for products; value of products; number and power rating of prime movers, electric motors, and electric generators; quantities and costs of fuels consumed, and cost of purchased electric energy; distribution of sales according to channels through which products were marketed.

This information was obtained from all manufacturing establishments coming within the scope of the census. In addition, as explained under the head "Detailed statistics of products, materials, and equipment" (p. 6), data in regard to the quantities and values of individual classes of products were collected from establishments in all important manufacturing industries; in many cases the consumption of materials was reported in detail, by quantity and cost; and for a considerable number of industries data in regard to machinery and other equipment in use were also collected.

4. **Expansion of schedules.**—Because the census for 1929 belonged to the decennial as well as to the biennial series, more data were obtained than for preceding biennial censuses.

The expansion of the schedules for 1929 was made at the recommendation of an advisory committee appointed by the Secretary of Commerce. The membership of this committee, 25 in number, represented some of the leading manufacturing industries, the Chamber of Commerce of the United States, Cornell University, The Rockefeller Foundation, the National Industrial Conference Board, the Associated Business Papers, the American Federation of Labor, Stanford University, the National Coal Association, the office of the Secretary of Commerce, and the Bureau of the Census. The number of inquiries common to all schedules was increased from 8 to 12; some of the individual inquiries were amplified, and others were modified. All changes of any importance were made at the recommendation of the advisory committee.

An inquiry in regard to the distribution of manufacturers' sales was carried for the first time on the manufactures schedules in order to obtain data needed for the purposes of the census of distribution. The results are published as one of the reports of that census.

Special forms of schedules used at the census for 1929 numbered 165 and covered 238 of the 326 industries. At the biennial census for 1927, 152 special forms were used to canvass 226 industries. (See "Detailed statistics of products, materials, and equipment," p. 6.)

5. **The canvass.**—The data were collected in part by mail and in part by canvassers. The schedules were mailed in January to all manufacturers who had reported at the census for 1927 and to others whose names were obtained from various sources, such as trade directories. Many of the returns were sent in by mail; and those manufacturers who failed to make their reports within a reasonable time were visited by members of the bureau's field force.

The field work in cities having 10,000 inhabitants or more was done by a large force of canvassers appointed exclusively for manufactures and distribution census work; and in smaller places the regular population enumerators canvassed those manufacturing and mercantile establishments which had not already submitted satisfactory returns by mail. The schedules sent to manufacturers in all places in which the field force had local headquarters were accompanied by return envelopes addressed to the local offices, whereas those mailed to manufacturers in

other places were accompanied by return envelopes addressed to the bureau at Washington.

The usual cooperative arrangements were made with local chambers of commerce; with the Bureau of Mines, of the Department of Commerce; with the Forest Service, of the Department of Agriculture; and with the Department of Labor and Industries of Massachusetts.

6. **Publication of the statistics.**—The more important figures of the census for 1929 were first given out in mimeographed press releases, preliminary and subject to revision. Final statistics for individual industries, for individual States, and for certain special subjects, such as power and fuel, were issued in quarto pamphlets. All final reports of the census of manufactures will ultimately be assembled into three quarto volumes.

Preliminary industry reports, subject to revision, each covering a single industry, were issued in mimeographed form during the period from June 26 to December 31, 1930. In all, 212 such reports, covering all the more important industries embraced in the census classification (see "Classification of industries," p. 3), were given out. A printed summary for the United States, by industries, was published on December 31, 1930.

A second series of preliminary reports, each giving summary statistics for a State, by counties and for cities of 10,000 or more inhabitants, and a United States summary, by States, were issued during the period from March 20 to May 27, 1931.

Two special final reports, one presenting detailed statistics by industries, States, and counties for the consumption of fuel and purchased electric energy, and the other bringing together the general statistics by industries and by States, were issued in pamphlet form.

Final reports (in pamphlet form) of the industry series, numbering 80, gave detailed statistics for single industries or small groups of related industries. The contents of these reports, together with some additional matter, have been assembled and published as Volume II.

Final general statistics for States and for "industrial areas," by industries, were first issued in mimeographed form. (Each industrial area has as its nucleus an important manufacturing city and comprises the county in which the city is located, and in most cases one or more adjoining counties in which there is great concentration of manufacturing industry.) Printed reports in the State series, each giving complete statistics for a State as a whole and general statistics, by industries, for industrial areas and for important industrial counties and cities, were published later and ultimately assembled as Volume III.

Volume I is a general report covering all industries and all States.

7. **Comparableness with preceding years—Adjustments in figures.**—It is sometimes necessary, for various reasons but chiefly because of changes in census classifications, to make adjustments in the figures for earlier census years.

When such adjustments are of considerable magnitude, they are explained in headnotes or footnotes; and when they are insignificant and do not materially affect the comparableness of the statistics, the change is indicated by the footnote "Revised."

8. **Comparableness with preceding years—Price changes.**—In comparing the figures for cost of materials, value of products, and value added by manufacture for different census years, price changes should be taken into account. To the extent to which this factor was influential, the figures fail to afford true indexes of the actual increase or decrease in manufacturing activities.

9. **Comparableness with preceding years—Years covered.**—For the purpose of general comparison of industrial activity from census year to census year, a summary covering the period from 1849 to 1929 and complete general statistics for the period from 1899 to 1929, in combination for all industries, are presented in Tables 1 and 3, respectively.

Although the manufacturing industries of the country were canvassed at the censuses of 1810, 1820, and 1840, the results were not comparable with those of the manufactures inquiries made in 1850 and subsequent census years. The returns made by each manufacturing establishment at each census from 1850 to 1890, inclusive, covered either the preceding calendar year or some other 12-month period which usually ended within the census year. The returns from the censuses taken in 1900 and subsequent years have related in the case of each establishment either to the preceding calendar year or to the business year which corresponded most nearly thereto. In both tables the statistics for all censuses are presented as relating to the year immediately preceding that in which the census was taken.

The manufactures data collected at the decennial censuses from 1850 to 1900, inclusive, covered the so-called neighborhood, hand, building, and household industries, as well as the factory industries, whereas the canvasses for 1904 and subsequent census years covered factory industries only. (See "Establishments covered—Type," p. 3.)

The statistics for 1899 (census of 1900) have been reduced to the factory basis by eliminating, so far as possible, the data for the neighborhood, hand, building, and household industries, but no such elimination is possible in the case of the earlier censuses. For this reason the statistics for years prior to 1899 are not comparable with those for 1904 and subsequent census years. Nevertheless, they indicate in a rough way the industrial progress of the country from census year to census year since 1849.

Two sets of figures are given in Table 1 (p. 15) for 1899, one including data for the neighborhood, hand, building, and household industries, to preserve comparableness between 1899 and earlier years, and the other excluding such data in order to make the figures for 1899 comparable with those for later years. The financial items for 1869, which were reported in inflated currency worth in gold about 80 per cent of its nominal value, have been reduced to a gold basis in this presentation in order to make the figures for that year comparable with those for preceding and following census years.

10. **Comparableness with preceding years—Schedule changes.**—The comparableness of the statistics for 1929 with those for preceding years is affected to some extent, but only slightly in the cases of most industries, by certain schedule changes in the items for cost of materials and value of products.

Of the changes which were made at the recommendation of the advisory committee, referred to in section 4, p. 1, the only ones which had any effect on the comparableness of the 1929 statistics with those for preceding years are the following:

a. Mill or shop supplies.—At former censuses the cost of mill or shop supplies (lubricating oil, minor replacements, parts of machines and equipment, etc.) had been included in the cost of materials as reported, but the schedules for 1929 directed manufacturers to omit it.

This change was made in order to render it more convenient for manufacturers to make their reports. The cost of supplies is carried in the accounts of some manufacturers together with other "overhead" items, so that it is difficult or impracticable either to report it separately or to include it with the cost of materials proper. As a result of this change, the indicated increases in the cost-of-materials items understate the true increases and the indicated decreases overstate the true decreases; but for most industries these understatements and overstatements are slight and unimportant. In the reports for the few industries in which the cost of supplies formerly constituted a considerable part of the cost-of-materials item, special attention is called to this fact.

The value added by manufacture is, of course, affected to the same extent as the cost of materials, but in the opposite direction. (See sec. 27, "Value added by manufacture.")

b. Option in reporting materials.—The 1929 schedules gave manufacturers the option of reporting either the cost of materials purchased or the cost of those actually used during the census year.

It was found that in many cases the cost of materials purchased was out of line with the cost of materials consumed, as reported by the same manufacturers for earlier years. In order that the statistics might be made comparable, such cases were taken up by correspondence and data were obtained for the cost of materials consumed. It is therefore unlikely that the comparableness of the statistics has been affected appreciably by the use of data for materials purchased.

c. Substitution of sales for production.—At the census for 1929 manufacturers in most industries were directed to report their "shipments or deliveries" instead of their production, which had been reported at former censuses.

This change was made because the records kept by manufacturers in practically all cases show their sales, but in many cases do not show their production, during a given period. For 76 industries, however, the data on production were called for, as at former censuses. These exceptions were made for special reasons, and in most cases at the request of the associations representing the industries in question, or of important manufacturers in the industries. It is believed that the change from the production to the sales basis for reporting value of products had very little effect on the comparableness of the statistics for 1929 with those for preceding census years, since it is likely that the excess of sales over production in some establishments and the excess of production over sales in others counterbalanced each other in large measure.

11. **Establishments covered—Definition.**—As a rule, the term "establishment" signifies a single plant or factory.

In some cases, however, it refers to two or more plants operated under a common ownership and located in the same city, or in the same county but in different municipalities or unincorporated places having fewer than 10,000 inhabitants. On the other hand, separate reports are occasionally obtained for different industries carried on in the same plant, in which event a single plant is counted as two or more establishments.

12. **Establishments covered—Type.**—The censuses for 1904 and subsequent years were confined, in general, to manufacturing establishments proper, exclusive of the so-called neighborhood, household, and hand industries.

The inquiries have covered a few industries, however, which are not engaged in manufacturing in the sense in which the term is generally understood, the most important example being printing and publishing. The censuses for 1899 and for prior years covered hand trades as well as industries operated on a factory basis. Beginning with the census for 1904, the following classes of establishments have been omitted:

a. Establishments which were idle throughout the year or reported products valued at less than $500. (See sec. 13, below.)

b. Establishments engaged principally in the performance of work for individual customers, such as custom tailor shops, dressmaking and millinery shops, and repair shops. (This does not apply to large establishments manufacturing to fill special orders.)

c. Establishments engaged in the building industries, other than those manufacturing building materials for the general trade.

d. Establishments engaged in the so-called neighborhood industries and hand trades, in which little or no power machinery is used, such as carpentry, blacksmithing, harness making, tinsmithing, etc.

e. Cotton ginneries.

f. Small grain mills (gristmills) engaged exclusively in custom grinding.

g. Wholesale and retail stores which incidentally manufacture on a small scale, particularly where it is impossible to obtain separate data for the manufacturing and for the mercantile operations.

h. Educational, eleemosynary, and penal institutions engaged in manufacturing.

13. **Establishments covered—Size.**—At the biennial censuses, with certain exceptions explained in the following paragraph, data have been obtained only from establishments reporting products to the value of $5,000 or more.

In order to reduce the cost of the work and to facilitate the preparation of the statistics, no data (except in regard to wage earners and products, for 1921, and in regard to products only for certain industries, for 1923 and 1925) were collected from establishments with products valued at less than $5,000. At the quinquennial censuses, however, data on all subjects covered by the census were obtained from all establishments with products valued at $500 or more. This change in the minimum value-of-products limit, which resulted in a 21.6 per cent reduction in the number of establishments in regard to which general and detailed statistics were compiled at the census for 1921, did not otherwise materially impair the comparableness of the biennial and quinquennial figures, since 99.4 per cent of the total wage earners and 99.7 per cent of the total value of products reported at that census were contributed by the establishments reporting products to the value of $5,000 or more.

14. **Classification of industries.**—Although there are thousands of more or less distinct lines of manufacturing activity, manufacturing establishments for 1929 are classified for census purposes into 326 industries.

The production of each specific class of finished commodities, however small, might be looked upon as a separate industry; and in some cases certain of the distinct processes in the manufacture of a single commodity might be treated as distinct

industries, as, indeed, is sometimes actually done in the census reports. Manifestly, however, there must be some grouping of commodities and processes, not only in order to bring the number of industries within reasonable compass, but also in order to avoid the extensive overlapping which would result from an attempt to distinguish so large a number of industries. Each establishment must as a rule be treated as a unit and the data reported by it assigned in toto to some one industry. In many cases an establishment manufactures several related articles or commodities, or performs several related operations. The classification should, therefore, if practicable, be broad enough to cover the entire activities of such establishments.

The effort has been made to distinguish, so far as practicable, each well-defined or well-recognized industry. The classification has been based on prevailing conditions as to the actual organization of industry and the distribution of the various branches of production among individual establishments. It has been necessary, however, in some cases to combine the data for two or more industries which are usually considered fairly distinct from one another, because of the considerable amount of overlapping among them. Such cases arise where, although the majority of the establishments concerned confine their business to one or another of the industries, a few important establishments combine two or more industries in such a way that separate data can not be obtained, so that it becomes practicable to present statistics for the industries individually.

15. **Classification of establishments.**—Each establishment as a whole (a single plant being counted as two or more establishments in certain cases, as explained in sec. 11) is assigned, on the basis of its product or group of products *of chief value*, to some one industry classification.

The statistics as to cost of materials, value of products, and value added by manufacture for any particular industry relate not only to the primary products normally belonging to that industry, but also to certain secondary products which normally belong to other industries. For example: Some of the establishments classified in the motor-vehicle industry manufacture, as secondary products, tractors, which are normally products of the "Engines, turbines, tractors, and water wheels" industry, while a few motor vehicles are made as secondary products by establishments engaged primarily in other lines of manufacture.

The treatment of each establishment as a unit and its assignment to some one industry according to its product of chief value sometimes results in overrating the importance of certain industries and underrating that of others. For example: The industry classified as "Wire, drawn from purchased bars or rods" embraces, as its title signifies, only those establishments which draw wire from rolled bars or rods purchased from other establishments. Many rolling mills operate wire-drawing departments; and wire and wire products are also manufactured in considerable quantities by establishments classified under the designations "Nonferrous metal alloys and products, not including aluminum products" and "Electrical machinery, apparatus, and supplies." The total output of wire and wire products by the establishments in the "Wire, drawn from purchased bars or rods" industry in 1929 was valued at $192,439,764, whereas the total value of wire and wire products manufactured by all establishments which drew wire in 1929 amounted to $553,509,538. Thus the output of the wire industry represented only about one-third of the value of wire and wire products manufactured in all wire-drawing establishments. On the other hand, it should be noted that the $553,509,538 reported as the total value of products of all establishments engaged in drawing wire does not represent the value of wire alone but includes a considerable value of manufactures of wire, such as wire fencing, wire nails and spikes, and wire rope and strand—products similar to those manufactured from purchased wire by establishments under other classifications.

16. **Classification by industry groups.**—To facilitate the comparison of one broad class of manufacturing industries with another, the industries as constituted for census purposes are distributed into 16 general groups, for which summary statistics are given in Table 8, p. 37.

This grouping is based in most cases on the character of the principal materials used, but several of the groups are constituted on the basis of the purpose or use of the chief products, and one, "Chemicals," on the character of the manufacturing processes employed. It is necessary, of course, in some cases to include in a particular group certain industries which use considerable quantities of materials or manufacture considerable quantities of products other than those treated as basic for the group. For example: The furniture industry, included in the "Forest products" group, embraces the manufacture of metal as well as of wooden furniture.

At the censuses for 1921 and prior years the classification comprised only 14 groups of industries. At the census for 1923 the industries were rearranged into 16 groups and the statistics for prior years were adjusted to make them comparable, so far as possible, with those for 1923. After the publication of the report for 1925 each of two of the former groups was divided into two, and two others were consolidated with the "Miscellaneous industries" group. The present grouping is as follows:

Group 1.—Food and kindred products.
Group 2.—Textiles and their products.
Group 3.—Forest products.
Group 4.—Paper and allied products.
Group 5.—Printing, publishing, and allied industries.
Group 6.—Chemicals and allied products.
Group 7.—Products of petroleum and coal.
Group 8.—Rubber products.
Group 9.—Leather and its manufactures.
Group 10.—Stone, clay, and glass products.
Group 11.—Iron and steel and their products, not including machinery.
Group 12.—Nonferrous metals and their products.
Group 13.—Machinery, not including transportation equipment.
Group 14.—Transportation equipment, air, land, and water.
Group 15.—Railroad repair shops.
Group 16.—Miscellaneous industries.

Group figures for prior years as far back as 1914 have been adjusted so as to make them comparable with the current figures. (See Table 8, p. 37.)

17. **Persons engaged—General classification.**—The distinction between salaried officers and employees, on the one hand, and wage earners, on the other, depends primarily on the character of work done. The first group includes, in general, supervisory and office employees, and the second group, manual workers.

In the salaried group are included principal officers of corporations; managers, superintendents, and other responsible administrative employees; foremen and overseers who devote all or the greater part of their time to supervisory duties; and clerks, stenographers, bookkeepers, and other clerical employees on

salary. Wage earners are defined as skilled and unskilled workers of all classes, including piece-workers employed at the plant, and foremen and overseers in minor positions who perform work similar to that done by the employees under their supervision.

In the case of employees other than wage earners, the number reported for December 14, or for the nearest representative day, is treated as equivalent to the average for the year, since, as a rule, there is little variation from month to month in the number of employees of this class. For wage earners, the number shown by the pay roll for the week which included the 15th day of each month, or for some other representative week, is reported, and the average for the year is calculated by dividing the sum of the numbers reported for the several months by 12.

The sex distribution of persons engaged, by industries and by States, will be found in Volume I, Chapter X.

18. **Persons engaged—Wage earners.**—The ideal measure of the importance of an industry as an employer of labor would be the average number of wage earners employed during the year, on a full-time basis. This ideal average can not, however, be determined exactly.

The average number of wage earners in any industry, as calculated from the returns made by manufacturers, is necessarily somewhat in excess of the number that would be required to perform the work in that industry if all were continuously employed during the year. The reason is that the pay roll for any week is likely to contain the names of employees who have been temporarily laid off and of persons whose services had terminated before the close of the week covered by the pay roll. Moreover, if a manufacturer operated his plant during only a part of a given month, he would select an active week as a representative week and would report the total number of wage earners whose names appeared on the rolls for that week; or, if he operated his plant during every work day of the month on a 4-hour basis, his employment would be equivalent to one-half that on an 8-hour basis, yet he would report the actual number working on a part-time basis rather than the equivalent number on a full-time basis. For example: Suppose a manufacturer operated his plant, employing 100 wage earners, during 13 days of a month which contained 26 working days, or during 26 days on a 4-hour basis. This manufacturer's average employment of wage earners for the month on a full-time basis would be 50, but in all probability he would report 100, since that would be the number on the pay roll for a representative week.

Thus the average number of wage earners is unavoidably overstated to some extent, but it is believed that the wage-earner statistics are fairly comparable as between one census year and another and as between different industries, except those of a seasonal character, for the same census year.

19. **Persons engaged—Central-administrative-office employees.**—No data for employees of central administrative offices are included in the industry reports, but the numbers of such employees, by sex, and the amounts of their compensation are given in the State reports. A "central administrative office," as the term is used by the Bureau of the Census, is an office which operates one or more manufacturing plants located in a city or cities other than that in which the administrative office is located.

At the censuses for 1909, 1914, 1919, 1921, and 1923, data in regard to employees in such offices were collected on a separate "administrative schedule" and were tabulated and included with those for salaried employees of the manufacturing plants. At the census for 1925 such data were collected and tabulated but were not included in the figures for salaried employees except in the table giving combined summary statistics for all manufacturing industries (p. 14 of the report for that year). The numbers of central-administrative-office employees and the amounts of their salaries were, however, stated in footnotes to the "General Statistics" tables for all industries for which such employees were reported and for which it was possible to publish separate figures without disclosing data for individual establishments. At the census for 1927 no data in regard to central-administrative-office employees were collected.

20. **Salaries and wages.**—These items represent, respectively, the total compensation of salaried officers and employees and the total compensation of wage earners (including those employed on a piece-price basis).

The figures representing the total compensation of salaried officers and employees and of wage earners do not include dividends on stocks owned by officers and employees, nor the income derived by proprietors and firm members from manufacturing operations.

The Census Bureau has not undertaken to calculate the average annual earnings of either salaried employees or wage earners. Such averages would possess little real value, since they would be based on the earnings of employees of both sexes, of all ages, and of widely varying degrees of skill. Furthermore, so far as wage earners are concerned, it would be impossible to calculate accurately even so simple an average as this, for the reason that the Census Bureau's figures for wage earners are somewhat in excess of the number that would be required to perform the work in any industry if all were continually employed during the year. (See "Persons engaged—Wage earners," above.)

21. **Cost of materials, etc.**—This item relates to cost of materials, containers for products, fuel, and purchased electric energy used during the census years.

For the 1929 census, the cost of materials and containers for products was reported as one item, the cost of fuel as another, and the cost of purchased electric energy as a third; for 1927, the cost of materials and containers was reported as one item and the combined cost of fuel and purchased electric energy as another; for 1925, 1923, and 1921, the combined cost of materials, containers, fuel, and electric energy was reported as a single item. For the quinquennial censuses (covering the period from 1899 to 1919), the cost of materials and containers was reported as one item and the combined cost of fuel and "rented power" as another. The cost of fuel covers coal, fuel oil, gasoline, gas, etc. (See "Duplication in cost of materials and value of products," p. 6.)

22. **Contract work.**—The term "contract work"—which does not necessarily imply the existence of a formal contract—is applied to work done outside the establishment reporting, on materials furnished by it. It may be done either by another manufacturing establishment or by persons working at home.

Payments made for such work appear under the head "Paid for contract work"; payments received are included in "Value of products." Contract work is most common in the clothing

industries, and in a few others, such as the manufacture of gloves, some contract work is done. In the great majority of manufacturing industries, however, the contract work is small in amount and in many cases is merely incidental; that is, it is not a normal or a necessary part of the industry's activity. A careful analysis of the figures for contract work for all industries, as reported for census years prior to 1927, led to the conclusion that, as the payments for such work were, except in a few cases, very small in comparison with the cost of materials, the contract-work statistics for most industries were of little or no value. It was therefore decided to omit the contract-work inquiry from all schedules except those for a few industries in which contract work is of considerable importance in connection with regular manufacturing operations. For all industries taken as a group, the amount paid for contract work in 1925 was equal to only 1 per cent of the total amount expended for wages, whereas for the industries for which contract-work statistics are given for 1929 in the present report this proportion ranges from eight-tenths of 1 per cent in the case of the "Cotton small wares" industry to 20S per cent for the "Printing and publishing, music" industry. (Many music publishers have their printing done on contract.)

23. **Value of products.**—The amounts under this heading for 1929 represent, for the majority of the industries, the selling value, *at the factory*, of all products *shipped or delivered*, but for 76 industries, including some of the most important ones, they represent products *manufactured*, whether sold or not. For prior census years the value figures for all industries represent products *manufactured*.

The value of products is not a satisfactory measure of the importance of a given industry, because only a part of this value is actually created within the industry. Another part, and often a much larger one, is contributed by the value of the materials used. The aggregates for cost of materials and value of products include large amounts of duplication due to the use of the products of some industries as materials by others. (See "Duplication in cost of materials and value of products," below.) In the case of establishments performing work under contract (see "Contract work," p. 5) the amounts received for such work are reported in lieu of value of products.

Some manufacturers sell their products at prices which include freight and other delivery charges, but these transportation charges are deducted wherever possible.

The repair shops of steam and electric railroads manufacture few if any products for sale, their work being done or their products manufactured solely or principally for the use and benefit of the railroads operating them. For these plants, therefore, the value reported usually represents the operating cost or the cost of production, as no market value can properly be assigned to the work or the products, since it is not customary for such establishments to make any allowance for profit.

Somewhat akin to the case of the railroad repair shops is that of establishments which make partly finished products, or containers and auxiliary articles, for the use of other manufacturing establishments under the same ownership. For example: A blast furnace produces pig iron, which is used in the production of steel in plants under the same ownership. In such cases the "transfer value" assigned by the manufacturer is accepted as the value of the pig iron. This transfer value is usually based on market prices or on the cost of manufacture, but sometimes it is purely arbitrary.

Primary and secondary products.—The products reported for a given industry, on the one hand, include minor products different from those covered by the industry designation, and, on the other hand, do not include the entire output of products normally belonging to the industry, because some of this class of commodities may be made in establishments in which they are not the products of chief value. In the case of every industry the value of the secondary products not normally belonging to it, and that of commodities normally belonging to it but made as secondary products by establishments engaged primarily in other lines of manufacture, offset one another to a greater or less extent; and in most cases the total value of products as reported does not differ greatly from the value of the total output, in all industries, of the classes of products covered by the industry designation. (See "Classification of establishments," p. 4.)

In most of the product tables in this volume a separate item, entitled "Other products (not normally belonging to the industry)," represents the production of commodities which normally are primary products of other industries. It has been necessary in some cases to distinguish between these secondary products normally belonging to other industries and minor or miscellaneous products of the industry covered by the report.

24. **Detailed statistics of products, materials, and equipment.**—For the more important industries data as to the quantities and values—or where quantity figures would have no particular significance, for the values only—of the separate classes of products are collected and tabulated.

While it is generally impracticable for an establishment to assign the proper proportions of its wage earners, wages, etc., to the various lines of manufacturing industry carried on within it, most establishments are able to distinguish, exactly or approximately, the quantities and values of the several classes of products made. Special schedules calling for detailed information in regard to products were therefore sent to the establishments in 238 industries, and in some cases several different special schedules were filled out by a single establishment whose manufacturing activities were of a varied character. The general manufactures schedule, which was sent to the establishments in the remaining 89 industries, also contained spaces for listing the quantities and values of the leading products separately, but in some instances it was found impracticable to obtain such information. The data thus collected have been assembled, and, in connection with the statistics for the establishments assigned to a given industry, the quantities and values of similar commodities normally belonging to that industry but made as secondary products by establishments classified in other industries are shown, either in the body of the table or in a footnote, wherever practicable. (See "Value of products—Primary and secondary products," above.)

Detailed data as to materials used were collected from establishments in many industries, including "Bread and other bakery products," "Flour and other grain-mill products," "Gas, manufactured," "Confectionery," the rubber industries, and the textile industries. In addition, special statistics of equipment are given for a number of industries, such as "Glass," "Iron and steel: Blast furnaces," "Iron and steel: Steel works and rolling mills," "Wire, drawn from purchased bars or rods," and "Wood distillation and charcoal manufacture."

25. **Duplication in cost of materials and value of products.**—In making use of the statistics for cost of materials and value of products it must be remembered that they include a large amount of duplication due to the use of the products of certain establishments as materials by others. The net value of all manufactured products is estimated to have been approximately two-thirds of the gross value for 1929. (See Table 7, p. 37.)

This duplication occurs, as a rule, between different industries, and is not found to any great extent in individual industries. To illustrate: Copper ingots made in the copper smelting and refining industry are sold to copper-rolling mills, which roll them into rods. The rods are sold to copper-wire mills, which draw them into wire. Wire made by these mills is sold to establishments in the "Electrical machinery, apparatus, and supplies" industry, which use it in the manufacture of ignition apparatus for internal-combustion engines. These establishments sell the ignition apparatus to manufacturers of automobile engines. The engines in turn are sold to automobile manufacturers, who install them in complete automobiles. The value of the automobiles, as reported by the automobile manufacturers, includes, of course, the value of the engines; similarly, the value of the engines includes the value of the ignition apparatus; and so on. Thus in the aggregate of the values of products reported by the copper smelters and refiners, the rod mills, the wire mills, the manufacturers of ignition apparatus, the engine manufacturers, and the automobile manufacturers, the value of the copper ingots is included six times, of the rods five times, of the wire four times, of the ignition apparatus three times, and of the engines twice; and corresponding duplications occur in the aggregate cost of materials.

The occasional occurrence of duplication between different establishments in the same industry is exemplified in the meat-packing industry, where certain packing establishments purchase fresh meat from slaughter-houses for use as their material. The total value of products reported for the industry, therefore, includes the factory value of all finished products, and in addition includes the value of products which pass through further manufacturing processes in other establishments.

If all manufacturers consumed only raw materials and turned out only products ready for ultimate consumption, the figures for their combined activities would contain no duplication in the material and value-of-products items. Manufacture, under these hypothetical conditions, would consist simply in adding value to given raw materials within a single establishment, and the reports made for such establishments would cover only the values of products made for sale to ultimate consumers.

Determination of the net value of manufactured products from the data furnished by manufacturers must be in part a matter of estimating. There are several possible methods of arriving at the net-value figure. To add together the factory values of those products which are ready for consumption would give the desired result, but would be impracticable because of the lack of sufficient data. A more satisfactory method—the one followed in preparing Table 7, page 37—consists in breaking down the "Materials, containers for products, fuel, and electric energy" item into raw materials and semimanufactures and deducting from the gross value of products the values of the semimanufactures (including manufactured fuel consumed in manufacturing industries) produced in the United States.

Since imported semimanufactures have not been previously reported as products by domestic manufacturers, they are treated in the same manner as raw materials. Only the values of the semimanufactures which have been processed in this country are deducted from the gross value of products. The values of raw and semimanufactured imports for consumption, exclusive of duty and carriage charges, as reported for 1929 by the Bureau of Foreign and Domestic Commerce, were as follows: Crude materials (other than foodstuffs), $1,558,620,000; crude foodstuffs, $538,560,000; semimanufactures, $885,051,000. In using these figures to estimate the value of imports used as materials in manufacturing establishments of the United States, small deductions were made from the values of such items as crude foodstuffs, coal, and certain fertilizer materials, which are imported for sale to consumers rather than for use in further manufacture. The cost of "Raw materials and imported semimanufactures," as given in Table 7, page 37, includes $283,566,000, the cost of scrap iron and steel used in the three industry groups: "Iron and steel and their products, not including machinery"; "Machinery, not including transportation equipment"; "Transportation equipment, air, land, and water."

The values of manufactured fuels consumed by manufacturing industries (such as gasoline and fuel oil) have also been deducted. Finally, deductions of costs of certain contract work, to the amounts specified in the footnotes of the table, have been made in those cases in which duplications occur, as, for example, in the printing and publishing industries, where receipts for work done by a printing establishment for a publisher are included in the values of products for both establishments. The three totals at the heads of columns 4, 5, and 7 of the table are the sums of the items in the respective columns below. These items, being estimates, are rounded to the nearest million dollars. Horizontal additions of the several items in columns 2 to 5, inclusive, for each group and for the total for all groups do not, therefore, give precisely the totals found in column 1.

26. Relation of wages to cost of materials and value of products.—In making comparisons between the wages paid in manufacturing industries and the cost of materials and value of products of these industries, it should be borne in mind that whereas the materials and products items contain large amounts of duplication, the wage figures are free from duplication.

Moreover, the cost of materials, excluding the duplication therein, is made up in considerable part of wages paid to wage earners in nonmanufacturing industries, such as agriculture, mining, fisheries, and transportation. For example: The iron ore used as a material in blast furnaces comes from iron mines and is transported to the furnaces by rail or water. The cost of the ore at the mines consists in part of the miners' wages, and the cost of the ore delivered at the furnace includes also the wages paid to the employees of the navigation or railroad company which transported it. The pig iron produced by the blast furnaces is used as a material by steel mills. Thus the cost of this material is made up in part of the miners' wages, in part of the wages paid to the transportation employees, in part of the wages of the blast-furnace employees, and in part of other items. The wages paid the blast-furnace employees are included in the total wages shown by the manufacturer's reports, but the miners' wages and the wages of the transportation employees are not included. Moreover, the cost of the pig iron used as a material by the steel mills includes the cost of the iron ore, fuel, and supplies used by the blast furnaces. If the steel mill and the blast furnace were treated as a single establishment, this duplication would be eliminated and the cost of materials would be that of the iron ore, etc., used by the blast furnace, and the corresponding duplication in value of products would also disappear. If the mine, the transportation company, the blast furnace, and the steel mill were operated under a single ownership and treated as a single establishment, the cost of materials would be reduced to the value of the ore in the ground and the cost of fuel and supplies; the value of products would be a net amount representing the output of the steel mill alone instead of being made up of the value of the steel-mill products plus the value of the blast-furnace products; and the wage item would cover all wages instead of being limited to the wages paid in the blast furnace and the steel mill.

Thus, if the aggregate amount of wages paid both in manufacturing industries and in those industries which supply the raw materials used by manufacturers were compared with the net cost of materials or the net value of manufactured products in the form in which they reach the ultimate consumer, the ratio of the first amount to the second or the third would be

much larger than that of the wages paid in manufacturing industries alone to the gross cost of materials or the gross value of manufactured products.

27. **Value added by manufacture.**—For some purposes, the most satisfactory measure of the importance of an industry is the "value added by manufacture"—that is, the increment created by the manufacturing processes. This value measures the net addition to the value of commodities in existence—i. e., raw materials, semimanufactured materials, and fuel.

It is calculated by deducting the cost of materials, containers, fuel, and purchased electric energy used from the value of the products. (See "Profits and production costs," below.) The cost of purchased energy was included in the amount deducted at former censuses because it was included with the cost of fuel as reported by the manufacturers but was not given separately. At the census for 1929 the two items were reported separately for the first time; but in order to preserve, so far as possible, the comparableness of the statistics for 1929 with those for preceding census years, the cost of purchased electric energy has been included again in the amount deducted.

In comparing manufacturing industries with one another the relation between the value of finished products and the cost of materials should be kept constantly in mind. The products of one industry may be valued at the same amount as those of another, but the one may have added several times as much value to the materials as the other, and may therefore have been of correspondingly greater economic importance.

Statistics of "value added by manufacture" are almost entirely free from the duplication which is a factor in the total value of products. (See "Duplication in cost of materials and value of products," p. 6.) They include a small amount of duplication due to the fact, already mentioned (see "Contract work"), that certain establishments perform contract work on materials owned by other establishments either in the same or in affiliated industries. Such establishments report the amount received for contract work in lieu of value of products, and where they are classified in the same industry as the establishments which produce the finished commodities, this results in duplication in the total value of products and therefore in the total value added by manufacture. The amount of this duplication in value added by manufacture is insignificant except in a few industries, particularly the manufacture of clothing.

28. **Production as measured by physical volume.**—Because of price changes, the values of products for different census years are, in many instances, not properly comparable. Statistics of the actual physical quantities of products manufactured provide the most accurate available measure of the growth or decline of manufactures, but they are not available for all industries.

The number of wage earners employed is also a fairly satisfactory standard, but it must be remembered that, on the one hand, in some industries mechanical processes have displaced hand labor to such an extent as to make possible a marked increase in production with no increase in the number of wage earners, while, on the other hand, the average number of hours of labor per week has been decreasing for many years.

A study of the physical volume of output as disclosed by census figures was made for the Bureau of the Census by Edmund E. Day and Woodlief Thomas, and the results were published under the title "The Growth of Manufactures," as one of a series of census monographs.

The indexes of physical output given in Table 2, page 15, for 1899 to 1925, inclusive, are the Day-Thomas figures for those years, and the index for 1927 was computed by the same method by Miss Aryness Joy, of the Federal Reserve Board.[1] These indexes are weighted geometric averages of relatives, computed on a 1919 base. The output of each product for which satisfactory quantity statistics were available was compared with the output for 1919, and the relatives weighted and combined by use of a geometric average. The index for 1929 was constructed by applying to the 1927 index as a base the per cent of increase of production in 1929 over that of 1927 as determined by the National Bureau of Economic Research, under the direction of Frederick C. Mills, by a method differing slightly from that employed by Day and Thomas.

The figures found in column 2 of Table 2, representing the total volume of wage-earner employment in each of the census years beginning with 1899, are a series of relatives computed by dividing the average number of wage earners employed in manufacturing establishments in 1899 (=100) into the average number for each census year thereafter. "Production per wage earner" (column 4), determined by dividing the index of physical output for each census year by the wage-earner index in column 2, indicates the general trend in output per wage earner, although in failing to reflect changes in mechanization of industry it falls short of being an entirely satisfactory index of productivity.

29. **Profits and production costs.**—Manufacturers' profits can not be calculated from census statistics, for the reason that these statistics do not show total production costs.

Costs for which data have not been collected comprise depreciation, interest, insurance, rent, taxes, and other miscellaneous expense items. The deduction of the sum of salaries, wages, and cost of materials, containers, fuel, and purchased electric energy from value of products leaves a miscellaneous item (equal to the remainder obtained by subtracting the sum of the salary and wage items from "value added by manufacture" [2]) representing all other manufacturing expenses plus *manufacturing* profits, but no basis exists in census data for distributing this amount among the constituent items of expense and profits. In fact, a manufacturer's books might show a considerable excess of value of products over the sum of the several expense items reported to the Census Bureau, and yet his plant might have been operated at a loss.

30. **Power equipment.**—Under the head "Horsepower," as used in census reports, is shown the combined rated horsepower capacity of prime movers—engines, turbines, and water wheels—and of electric motors driven by purchased energy.

The rated capacity of motors driven by energy generated in the establishments reporting is not included in the total, since this secondary power duplicates that of the prime movers which generate the energy.

The detailed power table for each industry, however, shows the number and the rated capacity both of electric motors driven by purchased energy and of those driven by energy generated in the establishments reporting, together with the rated capacity of electric generators and the amount of electric energy purchased.

The combined horsepower of steam engines and turbines, internal-combustion engines, and water wheels and turbines, for all industries, has not varied materially from census to census since and including that for 1919, whereas the power of

[1] The method employed in constructing the 1927 index was described in an article by Miss Joy in the Journal of the American Statistical Association, December, 1930, pp. 453–459.

[2] See "Value added by manufacture," above.

electric motors has increased rapidly. In other words, during the past decade the increase in the aggregate primary power is accounted for almost exactly by the increase in the power of electric motors driven by purchased energy. As a consequence, a considerable increase is shown in the proportion which electric power forms of the total, and this results in an exaggeration of the extent of the increase in the use of power-driven machinery, since the difference between the horsepower rating of electric motors and the actual amount of motor horsepower in daily use is greater than the corresponding difference in the case of engines, turbines, and water wheels. This condition is due to the fact that in many factories some of the motors are idle or are operating at considerably less than their rated capacity during a large part of the time, so that the combined rated capacity of all the motors greatly exceeds the amount of power delivered by them at any given moment. To illustrate: In a factory using steam power applied directly through shafting and belting an engine of 1,000 horsepower may be sufficient to drive all the machinery; but if, without any increase in the amount of machinery driven, the factory is equipped with electric power and a separate motor installed for each machine or each small group of machines, the combined rated capacity of these motors will almost certainly be much more than the 1,000 horsepower of the steam engine originally used. This would be necessary because each individual motor must be powerful enough to meet the maximum demand made upon it by the machine which it drives, whereas the steam engine need only be powerful enough to meet the maximum demand made upon it at any one time by all the machines taken as a group, which would be considerably less than the sum of the maximum demands made by the individual machines at different times. In other words, the maximum demand of the group of machines, which the steam engine must be able to meet, would be materially less than the sum of the maximum demands of the individual machines, which the motors must be able to meet. The number of horsepower hours of energy consumed would not, however, be any greater in a motorized factory than in a similar factory employing steam power.

Thus, the increase in the total rated capacity of prime movers, coming, as it does, wholly from new installations of electric motors, is not a true measure of the increase in the consumption of mechanical power in manufacturing establishments.

Moreover, data for numbers and ratings of the several types of power equipment are not reliable indicators of industrial activity, since they do not distinguish between active and inactive equipment.

Data in regard to power equipment were collected at the decennial and quinquennial censuses of manufactures covering the period from 1869 to 1919, and at the four biennial censuses beginning with that for 1923. At the census for 1925, for the first time, data in regard to the number and capacity of electric generators were collected and tabulated. Some establishments which do not ordinarily use energy generated in their own plants for their manufacturing operations nevertheless maintain one or more generators for emergency light and power purposes, and for this reason the figures for generators can not in all cases be coordinated with those for motors driven by energy generated in the establishments reporting.

31. Disclosure of data for individual establishments.—The Bureau of the Census is prohibited by law from publishing any statistics which might disclose data for individual establishments.

For this reason it is necessary in many cases to omit certain items in Chapters 3, 4, 5, 6, and 7, of Volume I; some of the State figures for practically every industry in Volume II; and some of the industry figures for every State, every industrial area, and every important county and city in Volume III. In general, separate figures are given for a combination of three or more establishments, but this can not always be done. To illustrate: Suppose that the combined production of two manufacturers in a certain county amounted to 90 per cent or more of the total for the entire county. In this case either of the two important manufacturers, knowing that there was only one other important manufacturer in the county, could subtract the value of his products from the county total and thus obtain an amount which would not greatly exceed the value of the products of the other important manufacturer. Under these conditions the figures for the county are combined with those for one or more other counties in the same State.

32. Changes in groups, industry titles, and classifications.—The following list gives the changes in industry titles and classifications and names the abandoned industries as between 1927 and 1929:

GROUP 1

Corn sirup, corn oil, and starch.—Title changed to "Corn sirup, corn sugar, corn oil, and starch."

Lard substitutes and vegetable cooking oils.—Title changed to "Shortenings (not including lard) and vegetable cooking oils."

Oleomargarine and other butter substitutes, not made in slaughtering and meat-packing establishments.—Title changed to "Oleomargarine not made in meat-packing establishments."

Poultry killing and dressing.—Omitted at the census for 1927; restored for 1929 but classification changed to cover packing. Title for 1929, "Poultry killing, dressing, and packing, wholesale."

Shortenings (not including lard) and vegetable cooking oils.—New title for "Lard substitutes and vegetable cooking oils."

Slaughtering and meat packing, wholesale.—Title changed to "Meat packing, wholesale."

GROUP 2

Belting, other than leather and rubber, made from purchased fabrics.—Title changed to "Belting other than leather and rubber, not made in textile mills."

Clothing, work (except shirts), men's.—Title changed to "Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's."

Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's.—See above.

Felt goods, wool or hair.—Title changed to "Felt goods, wool, hair, or jute."

Gloves and mittens, cloth or chiefly cloth, made from purchased fabrics.—Title changed to "Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics."

Hats and caps, except felt and straw.—Title changed to "Hats and caps, except felt and straw, men's."

Silk manufactures.—Title changed to "Silk and rayon manufactures."

Trimmings (not made in textile mills) and lace-trimmed articles, not elsewhere classified.—Title changed to "Trimmings (not made in textile mills) and stamped art goods for embroidering." At the census for 1929 this classification was changed by the transfer of women's scarfs and other neckwear from this industry to the "Clothing, women's, not elsewhere classified" industry.

GROUP 3

Caskets, coffins, burial cases, and morticians' goods.—Title changed to "Caskets, coffins, burial cases, and other morticians' goods."

Furniture, including store and office fixtures.—At the census for 1929 this classification was changed so as to cover manufacturers of sewing-machine cases, cabinets, and tables as

primary products. Such establishments were formerly assigned to the classification "Sewing machines, cases, and attachments," Group 12.

Wooden goods, not elsewhere classified.—Abandoned as a separate industry classification. See "Wood turned and shaped and other wooden goods, not elsewhere classified."

Wood turned and shaped and other wooden goods, not elsewhere classified.—New title for classification combining two industries, "Wooden goods, not elsewhere classified" and "Wood, turned, and shaped, not elsewhere classified," abandoned as separate classifications.

Wood turned and shaped, not elsewhere classified.—Abandoned as a separate industry classification. See "Wood turned and shaped and other wooden goods, not elsewhere classified."

GROUP 4

Boxes, paper and other, not elsewhere classified.—Title changed to "Boxes, paper, not elsewhere classified."

Paper patterns.—Abandoned as a separate industry classification; now included in "Printing and publishing, book and job," Group 5.

GROUP 5

Printing materials, not including type or printing ink.—Title changed to "Printing materials, not including type or ink."

Printing and publishing, book and job.—Classification changed to cover "Paper patterns," formerly a separate classification in Group 4.

GROUP 6

Alcohol, ethyl.—Title changed to "Alcohol, ethyl, and distilled liquors."

Chemicals, not elsewhere classified.—Classification changed to cover the abandoned classification "Sulphuric, nitric, and mixed acids."

Mucilage, paste, and other adhesives, not elsewhere classified.—Title changed to "Mucilage, paste, and other adhesives, except glue and rubber cement."

Oils, not elsewhere classified.—Classification changed by transfer of manufacture of lubricating oils from this industry to the "Lubricating oils and greases, not made in petroleum refineries" industry, Group 7.

Rayon.—Title changed to "Rayon and allied products."

Sulphuric, nitric, and mixed acids.—Formerly separate classification; now included in "Chemicals, not elsewhere classified."

GROUP 7

Fuel, manufactured.—Title changed to "Fuel: Briquettes and boulets."

Lubricating greases, not made in petroleum refineries.—Classification changed to cover establishments making lubricating oils as well as greases, and title changed to "Lubricating oils and greases, not made in petroleum refineries."

GROUP 10

Glass cutting, staining, and ornamenting.—Title changed to "Glass products (except mirrors) made from purchased glass."

Grindstones, pulp stones, and millstones.—As establishments which prepare these commodities for market are primarily quarrying establishments, this industry classification was abandoned at the census for 1929.

Hones, whetstones, and similar products.—This classification, which formerly covered certain establishments engaged both in quarrying and in finishing the rough product and preparing it for market, is now limited to establishments which do not quarry the stone but purchase it in the rough and prepare it for market.

Minerals and earths, ground or otherwise treated.—This classification, which formerly covered certain establishments engaged both in mining and in manufacturing operations, is now limited to establishments which purchase the minerals and earths and perform manufacturing operations only.

Wall plaster, wall board, and floor composition.—Title changed to "Wall plaster, wall board, insulating board, and floor composition."

GROUP 11

Bolts, nuts, washers, and rivets, not made in rolling mills.—Title changed to "Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills."

Forgings, iron and steel, not made in steel works or rolling mills.—Title changed to "Forgings, iron and steel, not made in plants operated in connection with rolling mills."

Galvanizing and other coating, not done in rolling mills.—Title changed to "Galvanizing and other coating, not done in plants operated in connection with rolling mills."

Horseshoes, not made in rolling mills.—Abandoned as a separate industry classification; combined with "Forgings, iron and steel, not made in plants operated in connection with rolling mills."

Nails, spikes, etc., not made in rolling mills.—Title changed to "Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills."

Pens, steel and brass.—Abandoned as a separate industry classification. See "Pens, fountain and stylographic; pen points, gold, steel, and brass," Group 16.

Screw-machine products.—Abandoned as a separate industry classifications, See "Screw-machine products and wood screws."

Screw-machine products and wood screws.—New title for classification combining two industries abandoned as separate classifications, "Screw-machine products" and "Screws, wood."

Screws, wood.—Abandoned as a separate industry classification. See "Screw-machine products and wood screws."

Springs, steel, except wire, not made in rolling mills.—Title changed to "Springs, steel, except wire, not made in plants operated in connection with rolling mills."

Structural and ornamental iron and steel work, not made in rolling mills.—Title changed to "Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills."

Wrought pipe, welded and heavy riveted, not made in rolling mills.—Title changed to "Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills."

GROUP 12

Babbitt metal, white metal, type metal, and solder.—Abandoned as a separate industry classification. See "Nonferrous-metal alloys and products, not including aluminum products."

Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified.—Abandoned as a separate industry classification. See "Nonferrous-metal alloys and products, not including aluminum products."

Clocks, time-recording devices, and clock movements.—Title changed to "Clocks, clock movements, time-recording devices, and time stamps."

Collapsible tubes.—Formerly a part of the "Tin and other foils, not including gold and silver; collapsible tubes" industry; now a separate classification.

Gold and silver, leaf and foil.—Title changed to "Gold leaf and foil."

Lead: Bar, pipe, and sheet.—Abandoned as a separate industry classification. See "Nonferrous-metal alloys and products, not including aluminum products."

Nonferrous-metal alloys and products, not including aluminum products.—Title for new classification combining three abandoned classifications, "Babbitt metal, white metal, type metal, and solder"; "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified"; and "Lead: Bar, pipe, and sheet."

Pens, gold.—Abandoned as a separate industry clasification. See "Pens, fountain and stylographic; pen points, gold, steel, and brass," Group 16.

Stamped and enameled ware, not elsewhere classified.—Abandoned as a separate industry classification. See "Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering."

Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering.—Title for new classification combining two abandoned classifications, "Enameling and japanning," Group 16, and "Stamped and enameled ware, not elsewhere classified," Group 12.

Tin and other foils, not including gold and silver; collapsible tubes.—Formerly a single classification; now two classifications, "Tin and other foils, not including gold foil" and "Collapsible tubes."

GROUP 13

Cash registers, adding machines, and calculating machines.—Title changed to "Cash registers and adding, calculating, and card-tabulating machines."

Engines, turbines, and water wheels.—Title changed to "Engines, turbines, tractors, and water wheels."

Gas machines and gas and water meters.—Title changed to "Gas machines, gas meters, and water and other liquid meters."

Machine-tool accessories and small metal-working tools, not elsewhere classified.—New classification. Establishments manufacturing these commodities as primary products were formerly classified in "Machine tools" or in "Foundry and machine-shop products, not elsewhere classified," Group 13, or in "Tools, not including edge tools, machine tools, files, or saws," Group 11.

Metal-working machinery, other than machine tools.—Abandoned as a separate industry classification; now included in "Foundry and machine-shop products, not elsewhere classified."

Sewing machines, cases, and attachments.—Title changed to "Sewing machines and attachments." Establishments manufacturing sewing-machine cases, cabinets or tables as primary products are now classified in the "Furniture, including store and office fixtures" industry, Group 3.

Typewriters and supplies.—Title changed to "Typewriters and parts," and new clasification, "Carbon paper and inked ribbons" established.

GROUP 16

Artificial limbs.—Abandoned as a separate industry classification; combined with "Surgical appliances" under new title "Surgical and orthopedic appliances, including artificial limbs."

Carbon paper and inked ribbons.—New industry classification; formerly part of the classification "Typewriters and supplies." See "Typewriters and supplies," Group 13.

Dental goods, including dental laboratory work.—Classification changed to omit data for laboratory work and title changed to "Dental goods and equipment."

Enameling and japanning.—Abandoned as a separate industry classification; combined with "Stamped and enameled ware, not elsewhere classified," Group 12, under new title "Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering," Group 12.

Musical-instrument materials: Piano and organ.—Title changed to "Musical-instrument parts and materials: Piano and organ."

Pencils, lead.—Title changed to "Pencils, lead (including mechanical)."

Paving materials, other than brick or granite.—Title changed to "Paving materials: Asphalt, tar, crushed slag, and mixtures."

Pens, fountain and stylographic.—Abandoned as a separate industry classification. See "Pens, fountain and stylographic; pen points, gold, steel, and brass."

Pens, fountain and stylographic; pen points, gold, steel, and brass.—Title for new industry classification combining three abandoned classifications, "Pens, steel and brass," Group 11, "Pens, gold," Group 12, and "Pens, fountain and stylographic," Group 16.

Roofing materials, not including wood, slate, burnt tile, asbestos, or metal.—Title changed to "Roofing, built-up and roll; asphalt shingles; roof coatings other than paint."

Steam and other packing, pipe and boiler covering, and gaskets, not made in textile mills.—Title changed to "Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified."

Surgical and orthopedic appliances, including artificial limbs.—New title for classification covering "Surgical appliances" and the abandoned classification "Artificial limbs."

Surgical appliances.—Title changed to "Surgical and orthopedic appliances, including artificial limbs."

33. **Industrial area.**—This term signifies an area having as its nucleus an important manufacturing city and comprising the county in which the city is located, together with any adjoining county or counties in which there is great concentration of manufacturing industry. The number of wage earners employed in each area is at least 40,000.

The industrial area must not be confused with the "metropolitan district," as established for population-census purposes, which includes, together with the central city or cities, all the adjacent and contiguous civil divisions having at least 150 inhabitants per square mile. Each industrial area comprises one or more entire counties, whereas nearly all metropolitan areas include parts of counties. Statistics by industries are given for 30 of the 33 industrial areas, but none are presented for the remaining three—Albany-Schenectady-Troy, Springfield-Holyoke, and Toledo—because in each case it is impossible to publish figures either for the most important industry, or for industries which in the aggregate contributed at least 50 per cent of the total number of wage earners in the area, without disclosing, exactly or approximately, the data reported by individual establishments.

34. **Selected counties.**—This term is applied to the 95 counties which, together with the independent cities of Baltimore and St. Louis, compose the 33 industrial areas, and to the 103 other counties having some degree of industrial importance. In most of these counties at least 10,000 wage earners were employed, but exceptions were made in a considerable number of cases.

The selection of counties for inclusion in industrial areas depended not only on the absolute number of wage earners employed, but also on the number of wage earners per square mile and on proximity to the central city. The selected counties outside the industrial areas include, in States of minor industrial importance, a number in which fewer than 10,000 wage earners were employed. In every State at least two counties were selected, provided at least 4,000 wage earners were employed in each county. That is to say, if no county, or only one county, in a given State reported the employment of as many as 10,000 wage earners, the limit was lowered to 4,000, if necessary, but no further, in order to make possible the selection of two counties. One additional exception was made in the case of Dade County, Fla. (in which the city of Miami is located), with only 2,398 wage earners.

Statistics by industries are given for each of the selected counties for which it is possible to present separate figures, either for the most important industry or for industries which in the aggregate employed at least 50 per cent of the total number of wage earners in the county, without disclosing, exactly or approximately, the data reported by individual establishments.

GENERAL SUMMARY

INTRODUCTION

The Census of Manufactures dates back to 1810, when, on the recommendation of the Secretary of the Treasury, Congress amended the census act to authorize a canvass of manufactures and to provide funds for it. The United States became thereby the first Nation to establish a census of industry. (See "Legal provision for biennial census," p. 1.) The census of 1810, taken by United States marshals without the use of formal schedules, covered imperfectly the industrial activities of the country at that time. The chief value of the statistics lies in the analysis of them by Tench Coxe, who was appointed by the Secretary of the Treasury to tabulate and interpret the returns.

The annual report of the Treasury Department for 1855 gives manufactures statistics or estimates for the four decennial census years from 1810 to 1840. According to this report, the value of products for 1810, based upon the incomplete census returns, Coxe's estimates, and Treasury revisions, was $145,000,000.

Although the census of 1820 was so imperfectly taken that Congress refused to authorize the publication of the figures, the Treasury Department, in the document referred to above, reported $53,000,000 as the value of products for that year, unquestionably a gross understatement of the actual value of industrial production.

The Census of Manufactures was omitted entirely in 1830, but on the basis of returns made from 10 States in compliance with a congressional resolution of 1832, the Treasury estimated the value of products for 1830 at $113,000,000.

The report of the census of 1840, the most accurate and comprehensive canvass of industry up to that time, gave $483,000,000 as the value of manufactured products. Although in prior years there had been a beginning of production by the factory method, particularly of textiles and iron, it was not until about this time that the factory method began to be extended rapidly to other products which entered into competition in the market with handmade goods.

Until about the middle of the nineteenth century, however, the bulk of general manufacturing was done in the neighborhood shop and in the household rather than in the factory. The census for 1849 is, therefore, the starting point for properly comparable statistics of manufactures, although not until the census for 1899 was there any satisfactory line of demarcation between the shop or household and the factory. Comparative statistics for the censuses for 1849 and subsequent years are given in Table 1, page 15. (See also "Comparableness with preceding years—Years covered," p. 2.)

The impetus given by the factory system to the improvement of mechanical equipment is indicated by the increase in the number of patents issued, from an average of 350 per annum during the period 1801–1850 to a yearly average of more than 5,000 for the period 1851–1870.

Not until the decade 1859–1869 did it become apparent that the complete supply of most staple commodities for the home market was within the capacity of domestic production. Manufacturing began about this time to be carried on in larger plants, and as a result the census for 1879 showed considerable increases both in wage earners and in value of output, but recorded a gain of less than 1 per cent in the number of industrial establishments.

By the close of the decade 1879–1889 the value of manufactures exceeded that of agricultural products. By this time, the full effect of machine manufacture was beginning to be felt, and capital and markets were expanding rapidly. The decade from 1889 to 1899, while showing a smaller percentage of increase in value of products than any prior decade for which comparable statistics were available, was important as marking the entrance of the United States into international trade in manufactures and the development of the corporate form of organization.

During the years between 1899 and 1919, with an upward secular tendency of commodity prices and with population increasing by 39 per cent, the value of manufactured products increased 444 per cent and the index of factory output, as measured in quantities of products rather than in dollars, rose from 100 to 214. The number of wage earners employed in manufacturing establishments almost doubled during the 20-year period. If, however, this is broken down into 5-year periods corresponding to the intervals between quinquennial censuses of manufactures, decidedly uneven rates of increases are noted. These irregularities reflect both general trends in business activity and particular cyclical conditions prevailing during the five census years covered by the returns. The increase in physical volume of output is estimated to have been 22 per cent between 1899 and 1904, 30 per cent between 1904 and 1909, 6 per cent between 1909 and 1914, and 26 per cent between 1914 and 1919. Since the last 5-year period began in a year of industrial depression, continued during the World War, and ended in a year of great industrial activity, the increase in production was not so great as might have

been expected—not so great, in fact, as during the 1904–1909 period of peace.

Manufacturing activity in 1929 reached a new high mark. The value of products manufactured increased 12.3 per cent over the value reported to the census for the previous record year, 1927, while the index of physical volume of output, based on the production of 1899 as 100, rose from 214 in 1919 and 272 in 1927 to 295 in 1929.

The horsepower capacity of prime movers (engines, turbines, and water wheels) in 1929 was only 2.3 per cent more than in 1927, and was practically the same as in 1919, but the horsepower capacity of motors driven by purchased electric energy increased 19 per cent from 1927 to 1929 and 145.3 per cent during the 10-year period.[1]

The electrification of manufacturing industries is accomplished also by the use of motors connected with generators which in turn are driven by prime movers in the same plants. The capacity of such motors increased 77.6 per cent between 1919 and 1929, and in the latter year totaled 12,376,376 horsepower.

The increasing tempo of industrial production culminating in the record activity of 1929 occurred without a corresponding gain in the number of wage earners employed. Mechanization of industry and more efficient utilization of labor led to a drop of 1.8 per cent in factory employment in 1929 as compared with the abnormal postwar year 1919, but the number employed in 1929 showed an increase of 5.9 per cent over 1927. The wage budget of 1929, however, exceeded that of 1919 by 11.1 per cent and that of 1927 by 7.1 per cent.

[1] The rapid addition to power equipment of motors on purchased energy should be regarded with caution in any comparison between census years of either manufacturing activity or extent of plant mechanization, since the installation of motors for driving machines individually or in groups results in a greater power-equipment capacity for a given amount of production than is customarily required when the machines are driven by prime movers in the plant. (See "Power equipment," p. 8.)

The increase of 16.1 per cent in the total population of the United States during the past decade (1920–1930) and the decrease of 1.8 per cent in factory wage earners employed in 1929 as compared with 1919 reflect an employment condition which can not be fully accounted for in the statistics of the census of manufactures. While certain expanding industries, notably those referred to in the following paragraph, absorbed wage earners between 1919 and 1929 at a more rapid rate than that by which the population increased, the largest increase in the number of employment opportunities occurred not in the manufactures group taken as a whole, but in the distribution, service, and construction groups of industries, not covered by the census of manufactures.

Among the outstanding wage-earner gains in manufacturing industries between 1919 and 1929 were those which occurred in the following lines of production: Electrical machinery, apparatus, and supplies (including the manufacture of radio equipment), 54.8 per cent; bakery products, 41.8 per cent; furniture, 37.9 per cent; petroleum refining, 36.9 per cent; chemicals (including the manufacture of rayon and allied products), 36.1 per cent; and motor vehicles and parts, 30.4 per cent.

Twenty-two of the 48 States showed gains in factory wage-earner employment during the decade 1919–1929, the highest rates of increase recorded being those for five Southern States: South Carolina, 36.9 per cent; Tennessee, 34.9 per cent; North Carolina, 33.1 per cent; Georgia, 27.6 per cent; and Texas, 25.1 per cent. The major part of the gains in these States is accounted for by increases in the manufacture of cotton goods, knit goods, lumber, and furniture in the Carolinas; of cotton goods, knit goods, rayon, and motor-vehicle bodies and parts in Tennessee; of cotton goods, knit goods, and turpentine and rosin in Georgia; and of petroleum, foundry and machine-shop products, bakery products, and cotton goods in Texas.

TABLE 1.—COMBINED SUMMARY FOR ALL MANUFACTURING INDUSTRIES, FOR THE UNITED STATES: 1849 TO 1929

	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture [1]
FACTORIES AND HAND AND NEIGHBORHOOD INDUSTRIES						
1849 [2]	123,025	957,059	$236,755,464	$555,123,882	$1,019,106,616	$463,982,734
1859 [2]	140,433	1,311,246	378,878,966	1,031,605,092	1,885,861,676	854,256,584
Per cent of increase, 1849 to 1859	14.1	37.0	60.0	85.8	85.1	84.1
1869 [2]	252,148	2,053,996	620,407,474	1,990,741,794	3,385,860,354	1,395,118,560
Per cent of increase, 1859 to 1869	79.6	56.6	63.8	93.0	79.5	63.3
1879 [2]	253,852	2,732,595	947,953,795	3,396,823,549	6,369,579,191	1,972,755,642
Per cent of increase, 1869 to 1879	0.7	33.0	52.8	70.6	58.6	41.4
1889 [2]	355,405	4,251,535	1,891,219,696	5,162,013,878	9,372,378,843	4,210,364,965
Per cent of increase, 1879 to 1889	40.0	55.6	99.5	52.0	74.5	113.4
1899 [2]	512,191	6,306,143	2,320,938,168	7,343,627,875	13,000,149,159	5,656,521,284
Per cent of increase, 1889 to 1899	44.1	24.8	22.7	42.3	38.7	34.3
FACTORIES, EXCLUDING HAND AND NEIGHBORHOOD INDUSTRIES						
1899 [2]	207,514	4,712,763	2,008,361,119	6,575,851,491	11,406,926,701	4,831,075,210
1904 [3]	216,180	5,468,383	2,610,444,953	8,500,207,810	14,793,902,563	6,293,694,753
Per cent of increase, 1899 to 1904	4.2	16.0	30.0	29.3	29.7	30.3
1909 [3]	268,491	6,615,046	3,427,037,884	12,142,790,878	20,672,051,870	8,629,260,992
Per cent of increase, 1904 to 1909	24.2	21.0	31.3	42.9	39.7	35.5
Per cent of increase, 1899 to 1909	29.4	40.4	70.6	84.7	81.2	78.5
1914 [3]	272,518	7,023,685	4,067,718,740	14,358,935,014	24,216,614,573	9,857,679,559
Per cent of increase, 1909 to 1914	1.5	6.2	18.7	18.3	17.1	15.6
Per cent of increase, 1904 to 1914	26.1	28.4	55.8	68.9	63.7	56.6
1914 [3]	177,110	6,896,190	[4] 4,067,718,740	14,278,333,194	23,987,860,617	9,709,527,423
1919 [3]	214,383	9,000,059	[5] 10,461,786,869	37,232,702,390	62,041,795,316	24,809,092,926
Per cent of increase, 1914 to 1919	21.0	30.5	157.2	160.8	158.6	155.5
1921 [3]	196,267	6,946,570	8,202,324,339	25,321,055,346	43,653,282,833	18,332,227,487
Per cent of decrease (−), 1919 to 1921	−8.5	−22.8	−21.6	−32.0	−29.6	−26.1
1923 [3]	196,309	8,778,156	11,009,297,726	34,705,697,749	60,666,998,200	25,850,300,451
Per cent of increase, 1921 to 1923	[6]	26.4	34.2	37.1	38.7	41.0
1925 [3]	187,390	8,384,261	10,729,968,927	35,935,647,704	62,713,713,730	26,778,066,026
Per cent of increase or decrease (−), 1923 to 1925	−4.5	−4.5	−2.5	3.5	3.6	3.6
1927 [3]	191,866	8,349,755	10,848,802,532	35,133,136,889	62,718,347,289	27,685,210,400
Per cent of increase or decrease (−), 1925 to 1927	2.4	−0.4	1.1	−2.2	[6]	3.0
1929 [3]	210,959	8,838,743	11,620,973,254	38,549,579,732	70,434,863,443	31,885,283,711
Per cent of increase, 1927 to 1929	10.0	5.9	7.1	[5]	12.3	[6]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.
[2] For all establishments having products valued at $500 or more. See GENERAL EXPLANATIONS—Establishments Covered—Size.
[3] For all establishments having products valued at $5,000 or more. See GENERAL EXPLANATIONS—Establishments Covered—Size.
[4] Less than one-tenth of 1 per cent.
[5] The cost-of-materials items for 1927 and earlier years, which include data on the cost of mill or shop supplies, are not strictly comparable with that for 1929, which does not include such data, and therefore no per cent of increase is shown. See GENERAL EXPLANATIONS—Comparableness with Preceding Years—Schedule Changes—Mill or Shop Supplies.
[6] Because of a change in the cost-of-materials item (see footnote 6), the figure for 1927 is not comparable with that for 1929, and therefore no per cent of increase is given.

TABLE 2.—INDEXES AND RATIOS FOR POPULATION, WAGE EARNERS, PRODUCTION, AND POWER: 1899 TO 1929

[For explanation of methods used in computing the indexes in this table, see "Production as measured by physical volume," p. 8]

Census year	INDEXES					RATIOS	
	Population	Wage earners	Production (quantity)	Production per wage earner	Horsepower [1]	Horsepower per 100 wage earners [1]	Wage earners per 1,000 population
1899	100	100	100	100	100	211	63
1904	110	114	122	107	133	248	65
1909	121	137	159	116	186	287	71
1914	131	146	169	116	224	323	70
1919	140	191	214	112	294	326	86
1921	146	147	170	116	(2)	(2)	64
1923	149	186	261	140	332	377	79
1925	154	178	[3] 269	[3] 151	359	427	73
1927	158	177	272	154	390	465	71
1929	162	188	295	157	431	486	73

[1] Covers rated capacity of prime movers and of motors driven by purchased electric energy. For explanation of the inflation of data for capacity, see GENERAL EXPLANATIONS—Power Equipment, p. 8.
[2] No data.
[3] Revised.

TABLE 3.—COMBINED GENERAL STATISTICS FOR ALL MANUFACTURING INDUSTRIES: 1899 TO 1929

[No data for establishments reporting products valued at $500 or more but less than $5,000 are included in this table for the census years from 1921 to 1929, inclusive. For the years from 1904 to 1919, inclusive, data for such establishments have been deducted from the following items: Number of establishments; wage earners; cost of materials, containers for products, fuel, and purchased electric energy; value of products; value added by manufacture. It is impossible, however, to assemble separate figures relating to establishments having products valued at less than $5,000, for the remaining items, covering the years 1904 to 1919, or for any items for 1899. Each of the items for 1899, therefore, refers to all establishments reporting products valued at $500 or more. This difference in the value-of-products limit, however, has little effect on the comparableness of the several items for different census years, with the exception of that for number of establishments. (See GENERAL EXPLANATIONS—Establishments Covered—Size.) The figures for the automobile-repairing industry have been deducted from the statistics for 1919 and 1914, the only census years for which this industry was canvassed. Data for the "Coffee and spice, roasting and grinding" industry are included for all years except 1925, for which year no statistics for this industry, for the United States as a whole, were compiled; and data for the "Poultry killing, dressing, and packing, wholesale" industry are included for all years except 1927, for which year this industry was not canvassed]

YEAR OR PERIOD	Number of establishments	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES				HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		
		Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Total	Prime movers	Motors run by purchased energy
1929	210,959	10,330,728	133,210	1,358,775	8,838,743	42,931,061	20,155,397	22,775,664
1927	191,896	9,783,438	132,681	1,301,092	8,349,755	38,825,681	19,693,371	19,132,310
1925	187,390	9,773,051	133,054	1,255,736	8,384,261	35,772,628	19,903,800	16,868,828
1923	196,309	10,195,928	148,421	1,269,351	8,778,156	33,094,228	19,728,566	13,365,663
1921	196,267	8,265,821	172,871	1,146,380	6,946,570	(2)	(2)	(2)
1919	214,383	10,688,849	250,571	1,438,219	9,000,059	29,327,669	20,043,170	9,284,499
1914	177,110	8,117,895	259,172	962,533	6,896,190	22,290,899	18,406,176	3,884,724
1909	175,142	7,536,148	273,265	790,267	6,472,616	18,551,737	16,802,706	1,749,031
1904	145,033	6,107,259	225,673	619,556	5,362,030	13,296,394	12,854,805	441,689
1899	*207,514	(3)	(3)	364,120	4,712,763	9,960,980	9,778,418	182,562
	PER CENT OF INCREASE OR DECREASE (—)							
1927–1929 [4]	10.0	5.6	0.4	4.4	5.9	10.6	2.3	19.0
1925–1927 [4]	2.4	0.1	−0.3	3.6	−0.4	8.5	−1.1	20.6
1923–1925 [4]	−4.5	−4.1	−10.4	−1.1	−4.5	8.1	0.9	18.7
1921–1923	(5)	(1)	−14.1	(1)	26.4			
1919–1921	−8.6	−22.7	−31.0	−20.3	−22.8			
1919–1929	−1.6	(1)	−45.8	(1)	−1.8	46.4	0.6	145.3
1909–1919	22.4	41.8	−8.3	82.0	39.0	68.1	19.3	430.8
1899–1909				117.0	37.3	86.2	71.8	858.0

YEAR OR PERIOD	SALARIES AND WAGES [6]			COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY [6, 7]			Value of products [6, 7]	Value added by manufacture [8]
	Total	Salaries [1]	Wages	Total [9]	Materials and containers [9]	Fuel and purchased energy		
1929	$15,216,037,315	$3,595,064,061	$11,620,973,254	$38,649,579,732	$36,683,414,013	$1,866,165,719	$70,434,863,443	$31,885,283,711
1927	14,078,327,150	3,229,524,618	10,848,802,532	35,133,136,889	33,235,799,366	1,897,337,623	62,718,347,289	27,685,210,400
1925	13,651,784,805	2,921,815,878	10,729,968,927	35,935,647,704	(10)	(10)	62,713,713,730	26,778,066,026
1923	13,815,703,737	2,806,406,011	11,009,297,726	34,705,697,749	(10)	(10)	60,555,998,200	26,850,300,451
1921	10,765,427,145	2,663,102,806	8,202,324,339	25,321,055,346	(10)	(10)	43,653,282,833	18,332,227,487
1919	13,342,655,244	2,880,868,375	10,461,786,869	37,232,702,390	35,594,463,485	1,638,238,905	62,041,795,316	24,809,092,926
1914	5,342,167,369	1,274,438,629	4,067,718,740	14,278,333,194	13,612,435,727	665,897,467	23,987,860,617	9,709,527,423
1909	4,365,612,851	938,574,967	3,427,037,884	12,064,573,039	11,494,605,215	570,067,824	20,449,588,023	8,385,014,984
1904	3,184,884,275	674,439,322	2,610,444,953	8,438,860,722	8,113,992,896	324,867,826	14,617,774,351	6,178,913,629
1899	2,389,132,440	380,771,321	2,008,361,119	6,576,851,491	6,368,711,944	207,139,547	11,406,926,701	4,831,076,210
	PER CENT OF INCREASE OR DECREASE (—)							
1927–1929 [4]	8.1	11.3	7.1	(5)	(5)	−1.6	12.3	(5)
1925–1927 [4]	3.1	10.5	1.1	−2.2			(5)	3.0
1923–1925 [4]	−1.2	4.1	−2.6	3.5			3.6	3.6
1921–1923	28.3	9.6	34.2	37.1			38.7	41.0
1919–1921	−19.3	−11.0	−21.6	−32.0			−29.6	−26.1
1919–1929	14.0	24.8	11.1	(5)	(5)	13.9	13.6	(5)
1909–1919	205.6	206.9	205.3	208.6	209.7	187.4	203.4	195.9
1899–1909	82.7	146.6	70.6	83.5	80.6	176.2	79.3	73.6

[1] Data for employees of central-administrative offices are included in the figures for 1921 and earlier years but not in those for 1923 and subsequent years. The numbers and salaries of such employees, as reported for 1929, 1925, and 1923, are as follows: For 1929, 208,363 employees, $600,437,331; 1925, 84,646, $225,512,798; 1923, 86,378, $207,840,169. Corresponding data for 1921 and earlier years can not be segregated. No percentages are, therefore, given for the 1921-1923 and 1919-1929. No data in regard to central-administrative-office employees were collected for 1927.

[2] Not called for on schedule.

[3] No comparable data available for proprietors and firm members.

[4] Because of the omission of data for the "Coffee and spice, roasting and grinding" industry for 1925 and of data for the "Poultry killing, dressing, and packing, wholesale" industry for 1927 (see headnote), the percentages for 1923–1925 understate slightly the true increases and overstate slightly the true decreases, and those for 1925–1927 and for 1927–1929 overstate slightly the true increases and understate slightly the true decreases.

[5] Less than one-tenth of 1 per cent.

[6] Manufacturers' profits can not be calculated from the census figures because no data are collected for certain expense items, such as interest on investment, rent, depreciation, taxes, insurance, and advertising.

[7] The aggregates for cost of materials and value of products include large but indeterminable amounts of duplication due to the use of the products of some industries as materials by others.

[8] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture. The figures for 1927 and earlier years are not strictly comparable with those for 1929 because of a change in the cost-of-materials item, and therefore no percentages of increase are shown for 1927–1929 and 1919–1929. (See footnote 9.)

[9] The cost-of-materials items for 1927 and earlier years, which include data on the cost of mill or shop supplies, are not strictly comparable with that for 1929, which does not include such data, and therefore no percentage of increase is shown. See GENERAL EXPLANATIONS—Comparableness with Preceding Years—Schedule Changes—Mill or Shop Supplies.

[10] Not reported separately.

* Not comparable with figures for later years. Includes number reporting products valued at less than $5,000. See headnote.

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, BY GEOGRAPHIC DIVISIONS AND BY STATES: 1929, 1927, AND 1919

[Data for the "Automobile repairing" industry and data for establishments with products valued at $500 or more but less than $5,000, in all industries, are included in the geographic division and State items for 1919 but not in the United States totals. No data for either of these classes of establishments are included in any of the figures for 1927 or 1929]

DIVISION AND STATE	Census year	Number of establishments	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES [1]				Horsepower	Salaries [1]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture [2]
			Total [1]	Proprietors and firm members [1]	Salaried officers and employees [1]	Wage earners (average for the year)				Total	Materials and containers	Fuel and purchased energy		
UNITED STATES	1929	210,950	10,330,728	133,210	1,358,775	8,838,743	42,931,061	$3,595,064,001	$11,620,973,254	$38,549,579,732	$36,683,414,013	$1,866,165,719	$70,434,863,443	$31,885,283,711
	1927	191,866	9,783,438	132,681	1,301,002	8,349,755	38,825,681	3,229,524,618	10,848,802,532	35,133,136,889	33,235,799,366	1,897,337,523	62,718,347,289	27,585,210,400
	1919	214,383	10,688,849	250,571	1,438,219	9,000,059	29,327,669	2,880,868,375	10,461,786,869	37,232,702,390	35,594,463,485	1,638,238,905	62,041,795,316	24,809,092,926
GEOGRAPHIC DIVISIONS:														
New England	1929	18,272	1,256,504	10,636	147,354	1,098,514	4,686,822	386,368,899	1,346,391,525	3,158,416,191	3,014,417,376	143,998,815	6,398,214,685	3,239,798,494
	1927	17,745				1,098,748	4,566,155		1,328,650,205	3,048,863,047	2,898,257,097	150,605,950	6,028,474,916	2,979,611,869
	1919	25,528	1,535,055	21,470	162,196	1,351,389	3,779,818	334,295,008	1,436,436,587	3,951,908,159	3,811,641,271	140,266,888	7,183,070,799	3,231,162,640
Middle Atlantic	1929	64,730	3,047,316	44,473	440,503	2,562,340	11,623,682	1,212,612,561	3,640,419,529	11,183,618,642	10,581,193,780	602,424,862	21,359,573,975	10,175,955,333
	1927	62,276				2,467,791	10,968,754		3,491,679,907	10,488,831,747	9,876,334,130	612,497,617	19,533,075,079	9,044,243,332
	1919	88,360	3,450,593	86,266	491,674	2,872,653	8,612,612	1,019,385,385	3,464,931,287	11,424,095,826	10,843,787,208	580,308,618	19,854,772,760	8,430,676,934
East North Central	1929	46,396	2,974,216	24,860	407,180	2,542,176	12,602,451	1,102,468,292	3,738,804,099	11,689,798,724	11,040,248,599	649,650,125	21,663,289,041	9,973,490,317
	1927	43,671				2,309,860	11,056,846		3,340,800,715	10,525,393,203	9,888,100,045	637,293,158	18,988,400,328	8,463,007,125
	1919	61,332	2,884,836	49,586	438,632	2,396,618	7,702,551	870,019,894	2,992,930,744	10,621,687,089	10,113,945,205	507,741,884	17,737,479,599	7,115,792,510
West North Central	1929	17,792	577,214	10,054	93,045	474,115	2,210,192	215,510,466	589,162,333	3,507,392,311	3,413,044,209	94,348,102	5,377,382,984	1,869,990,673
	1927	16,192				448,192	2,053,074		550,698,481	3,170,989,447	3,074,167,429	96,822,018	4,733,111,997	1,562,122,550
	1919	29,166	630,323	26,859	112,829	499,635	1,592,809	199,496,362	546,172,557	3,778,125,226	3,689,936,604	88,188,622	5,187,064,766	1,408,939,540
South Atlantic	1929	20,860	1,014,505	14,510	87,748	912,247	4,318,015	209,768,172	825,902,832	2,811,055,098	2,670,585,550	140,469,548	5,269,276,425	2,458,221,327
	1927	17,029				879,060	3,805,038		794,264,870	2,487,870,882	2,346,656,241	141,214,641	4,631,952,156	2,144,081,274
	1919	29,976	931,595	29,883	84,500	817,212	2,791,088	169,602,742	778,026,847	2,596,264,687	2,489,150,307	107,114,380	4,455,151,691	1,858,887,004
East South Central	1929	9,860	423,880	6,975	39,035	377,870	1,999,354	91,787,353	348,733,174	1,090,015,001	1,014,461,541	75,553,460	2,014,443,158	924,428,157
	1927	7,637				359,542	1,787,386		331,279,629	1,025,122,182	952,675,099	72,447,083	1,808,818,353	783,696,171
	1919	14,655	382,595	15,620	37,749	329,226	1,414,190	71,430,834	298,710,318	977,824,517	897,095,744	80,128,773	1,642,391,461	664,566,944
West South Central	1929	10,576	347,435	6,356	43,336	297,743	1,749,555	100,267,324	316,474,819	1,851,629,694	1,798,150,397	53,479,297	2,802,091,813	950,462,119
	1927	8,208				267,142	1,419,558		281,155,572	1,644,155,128	1,565,407,956	78,747,172	2,399,410,457	755,255,329
	1919	13,909	339,950	13,437	41,269	285,244	1,179,896	75,740,469	293,021,663	1,547,993,571	1,500,847,009	47,146,562	2,277,861,293	729,867,722
Mountain	1929	4,319	121,185	2,407	16,286	102,492	938,689	36,915,676	144,485,836	869,855,516	827,859,292	41,996,224	1,239,910,858	370,055,342
	1927	3,919				94,957	829,256		130,303,790	659,600,439	615,783,939	43,816,500	981,090,829	321,490,390
	1919	7,612	133,447	6,829	17,402	109,216	685,192	32,598,594	141,900,942	610,239,118	569,007,154	41,231,964	922,676,092	312,436,974
Pacific	1929	18,154	568,473	12,939	84,288	471,246	2,802,301	239,365,318	670,599,107	2,387,798,555	2,323,453,269	64,345,286	4,310,680,504	1,922,881,949
	1927	15,189				424,463	2,359,614		599,969,363	2,032,310,814	2,018,417,460	63,893,354	3,614,013,174	1,531,702,360
	1919	10,567	515,342	19,187	60,976	435,179	1,752,696	119,793,206	581,269,395	1,868,242,090	1,814,383,225	53,858,865	3,157,610,312	1,289,368,222
NEW ENGLAND:														
Maine	1929	1,568	77,690	891	6,640	70,159	679,153	16,100,485	74,199,961	217,366,820	204,622,589	12,744,231	391,751,334	174,384,514
	1927	1,426				68,142	628,941		74,212,035	208,865,679	196,073,350	12,792,329	372,093,474	163,227,795
	1919	2,995	99,312	2,745	7,916	88,651	545,613	17,502,853	94,225,346	254,568,523	241,084,861	13,483,662	456,821,783	202,253,260
New Hampshire	1929	1,075	71,941	708	5,722	65,511	402,147	14,732,103	70,513,919	185,402,323	176,903,427	8,498,896	332,534,753	147,132,430
	1927	1,028				65,482	376,373		72,803,397	182,106,373	173,239,125	8,867,248	327,528,366	145,421,993
	1919	1,499	90,332	1,426	5,832	83,074	348,892	13,212,402	79,326,341	239,527,617	231,599,446	7,928,171	407,204,934	167,677,317
Vermont	1929	927	31,189	649	3,119	27,421	163,940	8,136,403	33,809,987	66,262,873	62,871,755	3,391,118	143,522,547	77,259,674
	1927	880				26,241	172,762		32,305,433	69,957,432	66,491,640	3,465,792	134,029,978	64,072,546
	1919	1,790	38,845	1,804	3,350	33,491	184,327	7,345,179	34,083,935	95,172,581	91,624,436	3,548,145	168,108,072	72,935,491
Massachusetts	1929	9,872	645,031	5,867	81,670	557,494	2,068,521	215,218,070	604,805,312	1,681,432,788	1,608,241,295	73,191,493	3,392,162,237	1,710,729,449
	1027	10,037				578,068	2,130,503		705,929,549	1,678,812,411	1,593,573,556	80,238,855	3,317,851,888	1,639,039,477
	1919	11,906	812,521	9,451	89,234	713,836	1,716,982	183,435,405	766,623,337	2,260,713,036	2,188,353,757	72,359,279	4,011,181,532	1,750,468,496
Rhode Island	1929	1,701	141,074	958	14,048	126,068	463,822	38,701,802	144,196,934	342,990,071	328,399,079	13,890,992	666,368,210	324,078,139
	1927	1,497				120,009	410,181		138,895,884	313,107,075	297,336,623	15,770,452	592,232,647	279,125,572
	1919	2,466	156,012	2,124	14,223	139,665	319,688	31,013,981	137,495,377	415,989,203	402,205,892	13,783,311	747,322,858	331,333,655
Connecticut	1929	3,129	280,579	1,563	36,155	251,861	909,239	93,480,036	328,865,412	665,661,316	633,379,231	32,282,085	1,471,875,604	806,214,288
	1027	2,877				240,806	847,395		304,503,907	596,014,077	566,542,773	29,471,304	1,284,738,563	688,724,486
	1019	4,872	338,033	3,920	41,441	292,672	664,316	81,785,188	324,682,251	685,937,199	656,772,879	29,164,320	1,392,431,620	706,494,421

See footnotes at end of table

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, BY GEOGRAPHIC DIVISIONS AND BY STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

DIVISION AND STATE	Census year	Number of establishments	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES [1]				Horsepower	Salaries [1]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture [2]
			Total [1]	Proprietors and firm members [1]	Salaried officers and employees [1]	Wage earners (average for the year)				Total	Materials and containers	Fuel and purchased energy		
MIDDLE ATLANTIC:														
New York	1929	30,395	1,350,731	28,374	225,391	1,105,966	3,986,781	644,503,633	$1,656,378,858	$5,064,635,085	$4,810,232,972	$194,403,013	$9,978,550,143	$4,973,020,158
	1927	36,656				1,072,284	3,671,185		1,605,378,686	4,804,172,874	4,606,940,030	107,232,835	9,400,061,376	4,505,888,502
	1919	49,330	1,524,761	40,484	247,147	1,228,130	2,926,063	513,547,963	1,458,296,804	4,943,213,019	4,780,956,052	162,256,967	8,867,004,906	3,923,700,087
New Jersey	1929	8,388	521,262	4,686	74,218	442,328	1,645,408	108,265,860	610,506,378	2,165,727,126	2,090,853,202	74,873,924	3,937,156,775	1,771,429,049
	1927	8,312				408,093	1,405,935		570,308,562	1,956,597,097	1,866,372,802	90,224,295	3,417,450,248	1,460,853,151
	1919	11,057	602,170	9,349	84,135	508,686	1,140,554	171,074,267	600,658,345	2,270,473,279	2,194,512,449	75,960,830	3,672,064,987	1,401,591,708
Pennsylvania	1929	16,047	1,166,323	11,413	140,804	1,014,046	5,901,403	360,843,068	1,370,444,293	4,013,255,531	3,680,107,606	333,147,925	7,443,861,057	3,430,605,526
	1927	17,314				987,414	5,866,634		1,315,903,319	3,728,061,776	3,403,021,289	325,040,487	6,715,563,455	2,987,501,679
	1919	27,973	1,323,662	27,433	160,302	1,135,837	4,445,095	334,763,215	1,495,966,138	4,210,408,628	3,868,317,807	342,090,821	7,315,702,867	3,105,294,230
EAST NORTH CENTRAL:														
Ohio	1929	11,855	859,289	5,904	112,242	741,143	4,340,575	302,013,005	1,102,166,409	3,138,098,834	2,919,341,170	218,757,658	6,027,003,137	2,880,864,303
	1927	10,961				660,097	3,734,761		968,181,165	2,877,126,245	2,661,984,504	215,141,741	5,230,323,268	2,353,107,023
	1919	16,125	882,018	12,823	139,302	730,733	2,885,007	273,714,350	944,651,734	2,911,947,871	2,729,033,617	182,914,254	5,100,308,728	2,188,360,857
Indiana	1929	5,091	362,453	2,565	45,190	314,698	1,858,735	115,415,151	418,771,109	1,403,431,157	1,280,121,322	123,306,835	2,539,893,840	1,136,462,602
	1927	4,726				280,717	1,602,113		375,217,514	1,227,168,557	1,100,861,504	126,307,053	2,153,479,432	926,310,875
	1919	7,916	330,145	6,768	45,797	277,580	1,094,508	85,110,446	317,042,097	1,174,950,568	1,084,756,375	90,194,193	1,898,753,387	723,802,810
Illinois	1929	15,333	836,347	8,840	135,952	691,555	2,807,061	368,721,898	1,624,870,235	3,352,054,479	3,198,957,624	153,096,855	6,282,692,240	2,930,037,761
	1927	14,711				623,468	2,456,907		914,102,612	2,921,092,107	2,766,719,071	154,373,036	5,386,003,235	2,464,911,128
	1919	18,503	804,805	15,282	136,409	653,114	1,654,047	274,016,349	801,087,350	3,488,270,446	3,362,381,054	125,889,392	5,425,244,604	1,936,974,218
Michigan	1929	6,686	602,988	3,869	90,144	530,035	2,356,746	201,283,914	840,505,363	2,589,374,167	2,486,160,584	109,213,583	4,656,718,040	2,067,343,870
	1927	5,800				488,856	2,214,747		766,602,319	2,346,078,396	2,248,213,128	98,465,268	4,244,011,132	1,898,262,736
	1919	8,305	549,069	6,762	71,065	471,242	1,193,709	140,034,098	630,708,093	1,919,243,243	1,852,966,096	66,337,153	3,460,188,483	1,546,945,240
Wisconsin	1929	7,431	313,139	3,742	44,652	264,745	1,239,394	115,033,424	352,400,893	1,206,840,687	1,161,664,893	45,175,194	2,156,681,769	940,841,682
	1927	7,473				247,722	1,048,228		322,697,105	1,153,327,898	1,110,321,838	43,006,060	1,973,653,201	826,325,303
	1919	10,393	317,899	7,051	45,999	263,940	874,320	87,537,742	290,440,561	1,127,274,961	1,084,868,060	42,406,802	1,846,984,307	710,700,346
WEST NORTH CENTRAL:														
Minnesota	1929	4,315	126,400	2,178	20,817	103,414	606,704	47,724,698	132,418,105	768,218,320	741,454,482	26,763,847	1,173,213,606	404,995,277
	1927	3,886				98,833	584,328		123,619,231	726,396,744	700,536,491	25,860,253	1,066,727,215	340,330,471
	1919	6,225	147,678	5,128	26,927	115,623	473,660	45,359,026	127,166,505	883,089,777	866,607,290	22,482,478	1,218,120,735	335,039,058
Iowa	1929	3,317	99,311	1,897	15,730	81,078	360,760	34,916,521	102,326,738	574,393,729	556,592,882	17,806,847	898,213,272	323,819,543
	1927	3,661				73,092	330,792		91,246,664	496,930,635	480,095,664	16,843,971	769,340,610	272,409,975
	1919	5,683	105,430	5,393	19,495	80,551	242,820	34,043,960	90,117,160	520,240,807	506,034,871	14,205,936	745,472,607	225,231,800
Missouri	1929	5,765	243,778	3,170	37,723	202,870	717,078	91,009,198	240,368,692	1,130,658,082	1,111,205,172	28,392,010	1,917,155,275	777,497,103
	1927	5,422				195,378	656,269		230,017,241	1,004,709,373	975,020,154	20,689,210	1,665,173,463	660,464,090
	1919	8,592	214,039	7,670	42,220	195,037	476,648	79,044,650	196,515,353	1,056,457,164	1,029,812,810	20,644,354	1,504,268,338	537,751,174
North Dakota	1929	373	5,211	194	993	4,024	19,756	2,074,697	5,687,028	39,684,462	38,573,196	1,111,266	55,321,592	15,637,130
	1927	307				3,260	16,167		4,898,122	34,271,002	33,283,479	987,523	47,663,022	12,732,020
	1919	894	6,148	774	902	4,472	17,791	1,434,037	5,461,330	44,489,490	43,477,254	1,012,245	57,373,622	12,884,123
South Dakota	1929	615	8,204	401	1,268	6,535	31,297	2,558,447	8,132,240	75,016,424	73,544,176	1,472,248	97,697,636	22,681,212
	1927	472				5,551	24,676		6,785,893	63,610,877	62,252,264	1,367,613	83,001,163	19,381,286
	1919	1,414	9,034	1,410	1,242	6,382	22,176	2,076,199	7,905,426	42,985,870	41,821,013	1,164,857	62,170,782	19,184,912
Nebraska	1929	1,491	35,082	930	6,540	28,212	169,210	14,466,307	36,881,112	364,174,710	357,509,696	6,665,014	484,168,469	119,993,609
	1927	1,277				26,110	141,506		34,296,241	326,917,496	319,990,229	6,927,261	420,290,190	93,378,700
	1919	2,884	40,076	2,910	6,639	30,521	125,760	15,741,937	46,066,755	480,774,122	473,636,425	7,137,697	596,042,498	115,268,376
Kansas	1929	1,916	58,619	1,278	9,068	47,373	298,487	21,861,108	63,348,328	546,240,575	534,104,665	12,141,970	751,613,194	205,366,610
	1927	1,767				45,368	279,426		59,025,089	518,141,326	502,995,148	15,146,178	681,570,334	163,420,008
	1919	3,474	77,900	3,562	12,308	61,040	233,045	21,795,653	73,060,010	750,087,987	734,546,932	15,541,055	913,607,094	163,579,107

SOUTH ATLANTIC:															
Delaware	1929	460	26,828	272	3,004	23,552	114,961	8,344,642	29,062,739	80,490,738	76,110,568	4,380,170	149,642,042	69,151,304
	1927	446				21,324	103,166		25,222,182	69,032,720	64,774,245	4,258,475	129,899,735	60,867,015
	1919	668	32,972	593	3,344	29,035	85,105	7,709,068	37,265,319	85,432,933	81,453,158	3,979,775	165,073,009	79,640,076
Maryland	1929	3,231	153,276	2,370	19,807	131,099	659,823	46,178,193	148,835,163	696,985,542	662,885,813	34,099,729	1,119,082,289	422,096,747
	1927	3,205				126,700	579,713		141,902,797	564,120,437	531,135,234	32,985,203	943,410,896	379,290,459
	1919	4,937	165,875	5,129	20,404	140,342	406,637	42,004,007	147,856,545	549,347,379	527,696,308	21,651,071	873,944,774	324,597,395
District of Columbia	1929	547	14,328	325	4,250	9,752	44,916	9,936,418	15,512,711	36,200,070	33,095,733	3,104,337	88,972,885	52,772,815
	1927	503				9,519	39,471		15,668,655	36,098,635	32,630,547	3,459,088	90,389,537	54,290,902
	1919	695	14,101	516	3,104	10,482	33,069	5,667,379	13,189,031	30,940,100	27,462,366	3,477,734	68,826,570	37,885,470
Virginia	1929	3,287	133 908	2,322	11,313	120,273	646,251	29,263,340	118,088,986	365,824,341	350,109,073	15,715,268	745,910,075	380,085,734
	1927	2,432				114,918	603,726		110,377,945	346,165,759	330,179,145	15,986,624	671,346,808	325,181,039
	1919	5,663	130,178	5,900	13,926	119,352	419,738	25,908,084	120,006,452	371,540,833	352,059,572	19,481,251	643,511,621	271,970,788
West Virginia	1929	1,488	94,359	794	8,239	85,326	650,199	20,990,351	115,294,705	261,397,786	232,984,404	28,413,382	513,012,300	251,614,514
	1927	1,313				77,630	546,440		103,431,224	252,884,424	225,043,623	27,840,801	455,216,551	202,332,127
	1919	2,785	93,688	2,524	8,128	83,036	328,455	17,686,073	101,840,420	270,940,596	250,192,627	20,747,969	471,970,877	201,030,281
North Carolina	1929	3,797	228,959	2,534	16,599	209,826	839,945	37,942,407	160,867,988	618,911,690	596,046,728	22,864,962	1,311,924,352	693,012,662
	1927	2,984				204,590	810,798		158,394,434	560,819,236	538,121,136	22,698,100	1,154,646,612	593,827,376
	1919	5,999	175,423	6,076	11,688	157,659	549,808	23,774,333	126,680,099	525,906,181	512,989,300	13,916,881	943,807,949	416,901,768
South Carolina	1929	1,659	114,989	1,113	5,099	108,777	627,326	12,800,005	73,223,327	226,541,603	214,617,334	11,924,269	385,892,252	159,350,649
	1927	1,659				108,992	478,245		74,477,866	206,772,453	194,032,519	12,739,934	358,334,205	151,561,752
	1919	2,004	86,360	1,754	5,156	79,450	395,466	10,513,029	62,565,413	227,986,384	220,416,614	7,569,770	381,452,984	153,456,600
Georgia	1929	4,179	175,081	3,347	12,960	158,774	641,899	30,238,560	110,435,015	427,805,088	412,532,695	15,172,393	722,453,803	294,648,715
	1927	3,175				154,158	565,899		108,118,193	360,261,684	344,375,514	15,886,170	609,917,660	249,655,976
	1919	4,803	141,012	4,776	12,795	123,441	433,719	25,505,423	101,180,330	440,490,057	428,431,511	12,058,546	693,237,096	252,747,039
Florida	1929	2,212	72,777	1,432	6,477	64,868	192,695	14,068,356	54,582,198	96,898,240	92,103,202	4,795,038	232,386,427	135,488,187
	1927	1,912				61,219	177,580		56,671,574	91,715,524	86,355,278	5,360,246	218,790,152	127,074,628
	1919	2,582	82,986	2,616	5,955	74,415	139,091	10,835,346	67,433,229	92,680,224	88,448,851	4,231,373	213,326,811	120,646,587
EAST SOUTH CENTRAL:															
Kentucky	1929	2,246	89,958	1,376	10,768	77,825	354,740	24,979,014	88,643,659	266,558,766	253,433,621	13,125,145	502,638,722	236,079,956
	1927	1,851				74,912	318,755		83,858,607	250,632,957	238,762,287	11,870,670	447,764,961	197,132,004
	1919	3,957	83,954	4,003	10,611	69,340	246,399	19,077,651	67,033,546	235,715,626	224,485,689	11,229,937	395,560,417	159,944,791
Tennessee	1929	2,855	143,915	1,895	13,620	128,400	606,704	33,203,137	115,877,077	407,610,550	390,520,831	17,089,719	730,508,612	322,898,062
	1927	2,098				114,968	475,243		101,197,846	351,436,325	336,374,838	15,051,487	514,040,524	262,604,199
	1919	4,589	113,300	4,892	13,241	95,167	338,732	25,267,059	81,355,256	344,766,730	330,552,028	14,214,702	556,253,162	211,486,432
Alabama	1929	2,848	132,200	2,166	10,475	119,559	785,330	24,385,366	102,004,881	302,253,388	260,853,732	41,399,656	560,378,132	258,124,744
	1927	2,355				119,093	779,156		105,488,817	317,493,407	275,346,283	42,147,124	550,372,125	232,878,719
	1919	3,654	120,889	3,914	9,816	107,159	628,287	18,567,405	99,065,800	300,664,290	248,975,401	51,688,889	492,730,895	192,056,605
Mississippi	1929	1,911	67,807	1,539	4,182	52,086	252,580	9,219,836	42,207,557	113,592,297	109,653,357	3,938,940	220,917,692	107,325,395
	1927	1,333				50,569	214,232		40,734,359	105,559,493	102,191,691	3,367,802	196,640,742	91,081,249
	1919	2,455	64,452	2,811	4,081	57,560	200,772	7,926,819	51,255,716	96,677,871	93,582,626	2,995,245	197,746,987	101,069,116
WEST SOUTH CENTRAL:															
Arkansas	1929	1,731	50,118	1,371	4,542	44,205	223,034	9,942,946	30,503,121	116,648,475	112,303,093	4,345,382	210,903,228	94,254,753
	1927	1,145				40,032	183,041		35,288,168	103,815,280	100,599,401	3,215,879	182,750,871	78,935,591
	1019	3,123	58,202	3,682	4,666	40,954	212,219	9,329,043	47,186,189	102,812,977	99,881,410	2,931,557	200,312,858	97,499,881
Louisiana	1920	1,989	98,475	924	10,206	87,345	480,404	24,092,926	83,867,448	438,540,094	425,644,573	12,895,521	685,036,857	246,496,763
	1027	1,524				82,415	416,582		79,673,477	427,994,341	411,190,945	16,803,396	638,361,215	210,366,874
	1919	2,617	112,523	2,042	12,216	98,265	387,233	22,946,257	94,405,732	431,403,867	421,147,141	10,256,726	576,189,770	244,785,903
Oklahoma	1929	1,658	39,632	994	6,943	31,695	223,257	16,326,652	41,276,993	306,501,497	297,452,619	9,048,878	455,905,297	149,403,800
	1927	1,373				27,932	185,480		35,785,266	269,418,221	256,479,662	12,938,559	371,718,409	102,300,188
	1919	2,446	38,314	2,320	6,491	29,503	139,650	11,961,191	35,025,942	312,605,829	301,539,816	11,065,013	401,362,869	88,757,040
Texas	1929	6,198	159,210	3,067	21,645	134,498	822,860	49,904,900	151,827,257	989,939,628	962,750,112	27,189,516	1,450,246,431	460,306,803
	1927	4,065				116,763	635,455		130,408,661	842,927,286	797,137,948	45,789,338	1,206,579,962	363,652,576
	1919	5,724	130,911	5,393	17,996	107,522	440,894	31 503,978	116,403,800	701,170,898	678,278,642	22,892,256	999,995,796	298,824,893

See footnotes at end of table

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, BY GEOGRAPHIC DIVISIONS AND BY STATES: 1929, 1927, AND 1919—Continued

DIVISION AND STATE	Census year	Number of establishments	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES [1]				Horsepower	Salaries [1]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture [2]
			Total [1]	Proprietors and firm members [1]	Salaried officers and employees [1]	Wage earners (average for the year)				Total	Materials and containers	Fuel and purchased energy		
MOUNTAIN:														
Montana	1929	589	17,465	330	2,266	14,869	197,781	$5,254,612	$24,214,895	$209,845,438	$202,615,534	$7,229,904	$271,094,446	$61,249,008
	1927	565				14,242	188,390		20,915,203	151,791,508	144,794,553	6,996,955	203,503,250	51,711,742
	1919	1,290	20,692	1,200	2,332	17,160	153,489	4,741,455	24,742,562	122,151,924	117,594,952	4,556,972	166,664,518	44,512,594
Idaho	1929	562	17,358	335	1,375	15,648	105,787	3,036,272	22,451,545	51,863,505	50,225,704	1,637,801	96,352,026	44,488,521
	1927	470				13,513	89,830		18,970,043	47,927,463	46,875,197	1,052,266	86,256,399	38,328,936
	1919	922	16,268	851	1,500	13,917	73,840	2,701,547	18,548,272	43,948,505	42,345,546	1,602,959	80,510,749	36,562,244
Wyoming	1929	248	7,281	127	896	6,258	46,677	2,288,632	10,255,365	62,720,084	60,033,573	2,686,511	96,348,076	33,627,992
	1927	229				5,577	40,191		9,066,022	63,741,234	60,846,173	2,895,061	85,368,360	21,627,126
	1919	576	8,095	567	894	6,634	17,864	1,702,288	11,188,979	42,250,528	40,510,297	1,740,231	81,445,394	39,194,866
Colorado	1929	1,548	39,980	867	6,223	32,890	233,726	13,580,172	43,640,403	183,739,553	170,113,113	13,626,440	306,071,031	122,331,478
	1927	1,483				32,001	254,530		43,193,765	173,277,399	155,046,508	18,230,891	278,221,431	104,944,032
	1919	2,631	44,729	2,234	7,241	35,254	206,110	13,045,975	42,974,879	174,870,275	160,204,060	14,666,215	275,622,335	100,752,060
New Mexico	1929	250	5,234	104	504	4,476	23,147	1,266,139	5,564,991	10,419,449	9,736,401	683,048	21,697,148	11,277,699
	1927	200				4,653	21,467		5,421,441	10,055,852	9,412,924	642,928	20,182,672	10,126,820
	1919	387	6,646	330	574	5,736	17,260	1,027,341	6,668,462	7,727,483	6,974,121	1,753,362	17,856,602	10,129,119
Arizona	1929	348	12,400	101	1,659	10,550	180,637	4,268,292	15,074,528	167,713,595	159,518,783	8,194,812	200,002,217	32,288,622
	1927	300				8,967	100,641		12,132,957	77,799,198	71,889,888	5,909,310	117,624,434	39,825,236
	1919	480	10,347	416	1,403	8,528	103,958	3,111,838	12,014,769	92,645,437	84,273,872	8,371,565	120,769,112	28,123,675
Utah	1929	651	18,833	323	2,909	15,601	123,737	6,407,917	19,698,084	157,902,021	150,715,551	7,186,470	214,628,855	56,726,834
	1927	556				13,585	112,233		16,688,574	120,567,348	113,587,697	6,979,651	163,118,376	42,551,028
	1919	1,160	23,107	1,089	3,150	18,868	92,797	5,680,485	21,454,997	110,154,349	103,106,399	7,047,950	156,933,071	40,778,722
Nevada	1929	123	2,634	70	364	2,200	27,197	813,640	3,585,425	25,651,871	24,900,633	751,238	33,717,059	8,065,188
	1927	116				2,419	21,974		3,915,185	14,440,437	13,330,099	1,109,438	20,815,907	12,375,470
	1919	106	3,563	136	308	3,119	19,874	587,665	4,318,022	16,490,617	14,997,907	1,492,710	22,874,311	6,383,694
PACIFIC:														
Washington	1929	3,672	130,878	2,138	13,910	114,830	814,891	35,904,583	160,670,891	428,413,026	415,134,051	13,278,975	795,561,861	367,148,835
	1927	3,344				104,468	680,408		145,930,930	389,884,598	378,582,862	11,301,736	677,913,579	288,028,981
	1919	4,918	150,479	4,195	13,356	132,928	683,073	30,373,766	194,968,222	443,177,531	431,896,276	11,281,255	809,622,984	366,445,453
Oregon	1929	2,463	75,567	1,702	8,360	65,505	418,324	19,412,571	86,828,968	205,227,190	198,542,375	6,684,815	411,768,975	206,541,785
	1927	1,779				57,179	339,511		75,716,972	187,771,163	182,134,441	5,636,722	342,852,371	155,081,208
	1919	2,707	68,005	2,540	6,906	58,559	303,795	13,999,171	81,093,784	206,206,041	201,354,721	4,851,320	366,782,627	160,576,586
California	1929	12,019	362,028	9,099	62,018	290,911	1,569,086	184,048,164	423,099,248	1,754,158,339	1,709,776,843	44,381,496	3,103,349,668	1,349,191,329
	1927	10,066				262,816	1,339,695		378,321,461	1,504,655,053	1,457,700,157	46,954,896	2,593,247,224	1,088,592,171
	1919	11,942	296,858	12,452	40,714	243,692	765,168	75,420,269	305,207,389	1,218,858,518	1,181,132,228	37,726,290	1,981,204,701	762,346,183

[1] Data for employees of central-administrative offices are included in the totals and in the numbers of salaried employees for 1919 for the United States and for each State, but are not included for 1927 or for 1929. The total number of such employees, as reported for 1929, was 208,363, and their compensation emounted to $600,437,331. The corresponding data for 1919 can not be segregated, and no such data were collected for 1927. The numbers of proprietors and firm members end the numbers of salaried employees and tho amounts of their salaries were not tabulated for States at the census for 1927.

[2] Value of products less cost of materials, containers for products, fuel, and purchesed electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919

[Date for establishments with products valued at $500 or more but less than $5,000 are included in the 1919 figures for individual industries but not in the United States totals. No date for such establishments are included in any of the figures for 1927 or 1929]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [1]	Value of products [1]	Value added by manufacture [1]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	1929	210,959	10,330,728	133,210	1,358,775	8,838,743	42,931,061	3,585,064,061	11,620,973,254	38,549,579,732	70,434,863,443	31,885,283,711
	1927	191,866	9,783,438	132,681	1,301,002	8,349,755	38,825,681	3,229,524,618	10,848,802,532	35,133,136,889	62,718,347,289	27,585,210,400
	1919	214,383	10,688,849	250,571	1,438,219	9,000,059	29,327,669	2,880,868,375	10,461,786,869	37,232,702,390	62,041,795,316	24,809,092,926
Agricultural implements	1929	293	47,623	107	5,853	41,663	128,499	13,399,184	58,941,939	113,969,484	277,854,462	163,884,978
	1927	277	38,661	91	5,224	33,346	117,966	11,217,674	46,415,459	85,666,186	202,732,126	117,065,940
	1919	521	67,177	321	12,488	54,368	128,249	21,925,743	66,704,434	144,571,943	304,961,265	160,389,322
Aircraft and parts	1929	132	18,635	15	3,910	14,710	16,505	9,524,258	21,923,844	27,368,103	71,152,924	43,784,821
	1927	70	5,499	13	1,064	4,422	6,031	2,289,054	6,857,014	7,517,183	21,161,853	13,644,670
	1919	31	4,202	14	645	3,543	12,512	2,000,690	4,906,740	7,126,965	14,372,643	7,245,678
Alcohol, ethyl, and distilled liquors	1929	30	1,833	1	368	1,484	13,577	1,195,111	2,131,188	35,046,063	54,284,665	19,238,602
	1927	28	1,479	3	296	1,180	7,261	866,813	1,704,518	19,309,772	33,971,150	14,661,378
	1919	34	1,741	2	359	1,380	16,494	1,137,784	1,716,699	19,655,522	31,854,085	12,198,563
Aluminum manufactures	1929	150	23,788	61	2,517	21,210	107,846	5,749,124	29,692,727	94,036,463	153,457,248	59,420,785
	1927	139	16,945	54	2,093	14,798	71,907	5,117,524	20,891,843	79,838,509	123,557,112	43,718,603
	1919	83	13,257	34	1,821	11,402	30,280	3,306,674	13,327,306	49,271,861	75,277,948	26,006,087
Ammunition and related products	1929	21	7,965	3	739	7,223	17,061	1,785,523	8,272,618	19,841,665	43,808,520	23,966,855
	1927	20	8,475	------	873	7,602	17,175	2,003,673	8,265,963	20,945,130	45,602,184	24,657,054
	1919	42	27,471	10	4,645	22,816	39,128	7,607,151	23,587,692	38,101,602	88,038,223	49,936,621
Artificial and preserved flowers and plants	1929	191	3,779	128	435	3,216	625	1,257,510	3,217,642	5,527,451	14,425,420	8,897,969
	1927	190	5,494	186	593	4,715	541	1,459,958	5,050,438	7,888,833	19,576,337	11,687,504
	1919	224	4,876	234	504	4,138	468	851,799	3,740,911	7,004,646	16,143,165	9,138,519
Artificial leather	1929	17	3,160	------	570	2,590	14,650	1,643,071	3,955,702	22,267,938	32,961,252	10,693,314
	1927	19	3,282	------	552	2,730	14,467	1,525,700	4,006,613	21,827,645	34,228,101	12,400,456
	1919	17	2,351	1	339	2,011	4,952	832,335	2,163,171	18,132,204	26,281,966	8,149,762
Artists' materials	1929	68	1,510	36	307	1,167	3,397	921,156	1,428,728	4,155,317	9,459,565	5,304,248
	1927	61	1,578	37	330	1,211	3,250	796,477	1,429,983	3,771,503	8,204,521	4,433,018
	1919	58	1,205	40	239	926	3,206	578,936	895,764	2,687,226	5,507,656	2,820,430
Asbestos products, other than steam packing and pipe and boiler covering	1929	67	9,237	9	1,136	8,092	40,458	3,119,663	10,776,712	25,408,002	56,164,036	30,756,034
	1927	62	7,103	9	757	6,337	26,525	2,081,209	8,375,502	21,517,740	44,156,388	22,638,648
	1919	46	4,195	11	530	3,654	9,657	1,599,733	3,731,974	12,947,702	23,977,557	11,029,855
Asphalted-felt-base floor covering	1929	14	2,754	1	408	2,345	11,092	1,124,057	3,501,238	14,278,805	31,888,962	17,610,157
	[4]1927	12	2,834	1	391	2,442	8,904	814,920	3,694,808	16,186,459	34,100,585	17,914,126
Awnings, tents, sails, and canvas covers	1929	1,002	9,989	813	2,014	7,162	4,995	4,719,834	8,559,321	25,328,140	49,237,576	23,909,436
	1927	963	9,326	920	1,863	6,543	4,850	4,103,867	8,229,362	24,409,718	47,929,352	23,519,634
	1919	895	8,413	871	1,514	6,028	4,571	3,002,147	5,858,523	26,961,140	45,690,390	18,729,250
Bags, other than paper, not made in textile mills	1929	202	13,578	103	1,647	11,828	19,159	4,734,471	9,644,876	144,275,477	170,175,893	25,900,416
	1927	181	12,803	94	1,545	11,164	15,754	4,189,781	9,548,317	136,748,406	162,949,837	26,201,431
	1919	216	12,642	166	1,720	10,756	9,076	4,093,062	7,756,582	176,017,560	214,059,474	38,041,914
Bags, paper, exclusive of those made in paper mills	1929	95	7,861	18	873	6,970	13,416	2,347,743	6,661,235	43,238,392	64,621,192	21,382,800
	1927	88	7,323	27	833	6,463	9,336	2,112,610	6,393,675	40,734,599	57,489,652	16,755,053
	1919	75	5,087	41	878	4,168	4,429	2,175,360	3,662,330	33,350,481	47,263,990	13,913,509
Baking powders, yeast, and other leavening compounds	1929	48	3,667	8	653	3,006	42,788	2,400,335	4,846,730	22,598,378	52,336,812	29,738,434
	1927	47	4,039	15	992	3,032	42,816	2,676,796	4,793,624	24,619,450	55,716,025	31,096,575
	1919	88	4,893	52	1,510	3,331	20,071	2,807,416	3,554,534	26,635,429	46,230,312	19,594,883
Baskets and rattan and willow ware, not including furniture	1929	273	10,155	172	630	9,353	20,180	1,448,216	6,671,089	8,820,166	22,851,043	14,030,877
	1927	236	10,081	153	633	9,295	17,821	1,436,750	6,607,806	9,231,144	21,728,900	12,497,756
	1919	375	5,370	400	437	4,533	6,319	803,646	3,369,086	4,904,241	11,821,167	6,916,926
Belting other than leather and rubber, not made in textile mills	1929	9	383	6	122	255	1,648	495,346	298,910	1,328,090	2,788,627	1,460,537
	[4]1927	11	504	6	155	343	1,457	531,398	410,698	1,489,841	3,211,875	1,722,034
Belting, leather	1929	207	3,511	94	815	2,602	6,826	2,358,594	3,549,721	20,679,778	35,631,682	14,951,904
	1927	173	3,022	97	761	2,164	6,728	2,018,941	2,925,416	16,185,267	27,265,752	11,080,485
	1919	172	4,019	91	1,163	2,765	7,012	2,695,779	3,260,439	28,156,711	40,480,654	12,323,943
Beverages	1929	5,154	40,606	4,534	7,791	28,281	149,166	19,581,666	38,314,414	103,026,180	270,323,803	167,297,623
	[4]1927	4,769	38,878	4,759	7,147	26,972	153,731	17,158,450	36,100,934	95,430,198	242,694,456	147,264,258
Billiard and pool tables, bowling alleys, and accessories	1929	40	1,625	26	209	1,390	6,402	428,489	1,862,917	3,238,396	8,821,363	5,582,967
	1927	34	1,409	21	204	1,184	2,335	415,853	1,549,880	2,393,993	7,111,871	4,717,878
	1919	49	2,327	43	183	2,101	5,261	271,408	2,425,353	6,100,852	15,733,047	9,632,195
Blacking, stains, and dressings	1929	170	2,466	83	766	1,617	3,317	2,025,838	1,959,443	8,345,234	24,681,836	16,336,602
	1927	176	2,577	107	754	1,716	4,005	1,771,845	2,180,733	9,185,543	22,548,235	13,362,692
	1919	220	3,765	179	1,131	2,455	2,446	2,619,283	2,109,103	14,041,840	25,284,072	11,242,232
Bluing	1929	20	151	13	33	105	169	100,136	106,917	468,867	1,364,510	895,643
	1927	20	210	9	46	155	363	113,768	151,364	593,725	1,674,140	1,080,415
	1919	57	515	45	110	360	423	163,492	285,063	1,542,954	2,731,277	1,188,323
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	1929	117	18,226	17	2,034	16,175	66,343	6,949,294	22,115,532	44,211,785	102,392,099	58,180,314
	1927	115	15,572	27	1,931	13,614	57,403	5,636,016	17,324,418	38,301,814	75,876,170	37,574,356
	1919	144	20,006	39	2,000	17,967	49,959	5,306,419	20,973,834	44,277,117	89,743,882	45,466,765
Bone black, carbon black, and lamp-black	1929	77	2,140	3	222	1,915	11,268	696,444	2,583,253	9,096,098	20,169,722	11,073,624
	1927	67	1,798	2	243	1,553	8,065	508,472	2,047,044	6,571,019	14,261,775	7,690,756
	1919	35	826	30	121	675	1,857	312,386	808,332	2,848,059	6,186,204	3,338,145

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at bead of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [3]	Value added by manufacture [4]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Bookbinding and blank-book making	1929	1,108	29,495	676	4,065	24,754	21,741	10,854,665	31,779,037	30,754,777	72,028,628	42,785,506
	1927	1,063	26,477	927	3,641	21,909	19,038	8,832,184	28,281,066	25,875,185	87,327,392	61,452,207
	1919	1,113	25,287	1,111	3,815	20,361	11,037	7,453,912	18,658,821	23,235,171	66,020,677	42,785,506
Boot and shoe cut stock, not made in boot and shoe factories	1929	210	10,639	160	980	9,499	15,828	2,293,324	10,319,996	107,545,777	133,447,914	25,902,137
	1927	201	9,938	192	1,135	8,611	13,718	2,391,255	9,354,049	97,966,431	121,022,421	23,055,990
	1919	252	11,512	234	1,563	9,715	8,448	3,328,226	9,124,778	133,887,276	161,203,310	27,316,034
Boot and shoe findings, not made in boot and shoe factories	1929	382	12,037	226	1,435	10,376	20,259	3,866,441	11,058,252	31,964,401	58,625,445	26,661,044
	1927	379	11,739	255	1,534	9,950	18,021	3,364,138	11,201,872	31,862,322	57,433,389	25,571,067
	1919	427	10,615	424	1,250	8,941	9,970	2,618,598	8,187,196	40,428,347	62,825,408	22,397,061
Boots and shoes, other than rubber	1929	1,341	225,701	466	19,595	205,640	140,329	44,284,882	222,407,732	515,055,246	965,922,694	450,867,448
	1927	1,357	224,004	568	20,326	203,110	138,706	43,343,517	225,090,242	494,553,016	944,714,463	450,161,447
	1919	1,449	237,107	883	25,175	211,049	115,886	58,124,966	210,734,610	715,269,315	1,155,041,436	439,772,121
Boots and shoes, rubber	1929	22	29,278	-------	3,619	25,659	62,603	7,745,144	29,945,265	34,396,466	102,537,625	68,141,159
	1927	22	30,267	-------	3,419	26,848	68,359	5,180,753	32,078,955	43,372,916	124,607,801	81,234,885
	1919	25	37,929	1	5,053	32,875	49,400	7,401,388	30,882,722	50,346,880	116,917,434	66,570,554
Boxes, cigar, wooden	1929	118	4,740	98	268	4,374	5,518	814,228	3,507,711	5,238,209	12,459,425	7,221,216
	1927	135	5,014	105	332	4,577	5,478	794,052	3,925,329	5,620,725	12,908,739	7,288,014
	1919	189	5,761	187	356	5,218	5,009	797,525	3,512,236	6,336,540	13,110,213	6,773,673
Boxes, paper, not elsewhere classified	1929	1,249	63,894	440	7,800	55,654	80,064	22,314,874	57,109,700	159,839,577	294,253,296	134,413,719
	1927	1,219	64,649	512	7,739	56,398	81,300	20,738,937	57,700,664	168,463,799	306,555,062	138,091,263
	1919	1,201	63,408	767	6,779	55,862	54,675	15,572,451	43,325,554	101,135,292	206,419,343	105,284,051
Boxes, wooden, except cigar boxes	1929	792	33,581	438	2,589	30,554	137,261	7,261,078	29,193,575	74,081,937	135,025,675	60,943,738
	1927	748	33,662	383	2,482	30,797	135,637	6,684,242	29,250,351	75,797,392	133,992,877	58,195,485
	1919	1,140	46,897	849	3,603	42,445	143,583	8,654,633	36,811,185	102,946,233	177,818,454	74,872,219
Bread and other bakery products	1929	20,785	244,070	21,588	21,641	200,841	355,523	49,884,765	274,561,581	737,099,500	1,526,110,811	789,011,311
	1927	18,129	211,113	19,481	19,637	171,995	284,244	46,739,672	236,225,802	693,236,163	1,394,700,224	701,464,061
	1919	25,095	200,642	27,908	31,142	141,592	165,711	48,819,966	158,237,059	713,239,411	1,151,896,318	438,656,907
Brooms	1929	407	5,405	389	474	4,542	4,672	1,097,040	4,169,087	9,647,688	19,166,353	9,518,665
	1927	394	5,388	388	550	4,450	4,401	1,157,459	4,274,688	9,175,710	18,444,912	9,269,202
	1919	1,034	8,536	1,162	1,061	6,313	6,037	1,946,126	5,708,885	17,365,109	30,205,267	12,840,158
Brushes, other than rubber	1929	303	8,947	188	1,498	7,261	11,915	4,240,287	7,962,538	21,688,253	45,549,270	23,861,017
	1927	302	9,459	202	1,584	7,673	12,093	3,752,209	8,244,032	22,553,058	47,844,124	25,291,066
	1919	379	9,941	330	1,643	7,968	7,307	3,648,594	7,113,201	19,598,133	39,605,607	19,407,474
Butter	1929	3,527	27,934	1,307	7,530	19,097	164,413	12,489,080	24,197,840	635,873,586	746,417,620	110,544,034
	1927	3,519	28,948	1,279	7,573	20,096	145,973	11,897,609	25,532,586	637,336,685	739,010,876	101,674,191
	1919	3,738	26,339	2,006	6,692	17,641	94,962	9,522,089	18,852,729	514,345,739	583,163,011	68,817,272
Buttons	1929	242	10,055	127	894	9,034	14,615	2,442,244	8,813,927	11,501,401	28,977,919	17,476,518
	1927	229	10,662	131	889	9,642	15,899	2,174,699	9,435,821	11,237,579	29,130,168	17,892,589
	1919	557	17,758	575	1,606	15,577	15,706	3,349,328	13,772,599	16,745,357	41,840,459	25,095,102
Candles	1929	20	941	4	156	781	1,971	501,787	923,039	3,250,627	6,686,194	3,435,567
	1927	17	932	11	212	709	996	642,518	761,464	2,958,987	6,350,931	3,391,944
	1919	19	666	13	112	541	597	287,832	437,581	2,178,528	3,350,806	1,172,278
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	1929	348	14,898	128	1,158	13,612	21,692	2,806,704	8,799,058	53,239,911	80,848,513	27,608,602
	1927	337	13,999	155	1,194	12,650	18,574	2,499,263	8,105,581	42,891,556	65,082,187	22,190,631
	1919	475	14,136	326	1,373	12,437	25,830	3,051,628	9,505,019	53,993,789	80,260,423	26,266,634
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	1929	2,997	110,551	1,755	9,930	98,866	224,097	22,133,979	74,978,590	462,062,128	750,342,041	288,279,913
	1927	2,436	91,518	1,614	8,980	80,924	189,831	19,257,469	62,309,660	355,185,602	572,345,862	217,160,260
	1919	3,805	94,125	3,833	12,806	77,486	154,631	21,717,036	56,939,004	358,665,938	548,027,502	189,361,544
Car and general construction and repairs, electric-railroad repair shops	1929	446	31,982	-------	2,507	29,475	76,424	5,423,674	47,108,710	32,781,113	85,481,577	52,700,464
	1927	515	34,137	-------	2,553	31,584	73,357	5,249,032	48,391,897	30,421,479	84,504,448	54,082,969
	1919	624	33,120	1	1,847	31,272	53,805	2,979,367	39,073,154	32,025,484	75,210,701	43,185,217
Car and general construction and repairs, steam-railroad repair shops	1929	1,851	398,655	-------	29,974	368,681	1,076,723	76,171,019	590,202,724	515,562,452	1,184,435,262	668,872,810
	1927	1,794	432,147	-------	35,059	397,088	1,037,464	85,366,132	600,516,555	515,070,275	1,205,190,710	690,120,435
	1919	1,744	516,279	2	31,840	484,437	591,070	66,948,100	687,617,312	515,803,210	1,279,235,393	763,432,183
Carbon paper and inked ribbons	1929	57	1,781	21	509	1,251	3,642	1,530,423	1,702,358	7,990,753	17,295,140	9,304,387
	[4]1927	49	1,519	20	421	1,078	3,267	1,113,835	1,514,230	6,019,758	13,793,128	7,773,370
Cardboard, not made in paper mills	1929	13	820	1	210	609	1,549	853,208	819,178	2,665,258	5,629,498	2,964,240
	1927	9	897	1	238	658	1,779	788,260	848,807	2,868,656	5,581,164	2,713,108
	1919	16	1,714	2	287	1,425	3,251	743,723	1,337,177	4,953,915	9,138,415	4,184,500
Card cutting and designing	1929	70	2,853	45	470	2,338	3,909	1,383,196	2,725,047	9,285,931	19,648,179	10,362,248
	1927	60	2,505	31	450	2,024	3,915	1,227,691	2,706,633	7,544,043	16,871,312	9,327,269
	1919	75	1,397	69	180	1,148	743	442,902	958,877	2,298,389	5,323,349	3,024,960
Carpets and rugs, rag	1929	94	1,866	83	254	1,529	2,416	480,079	1,562,372	1,658,937	5,510,768	3,851,831
	1927	110	2,006	92	281	1,633	2,005	511,189	1,677,572	1,636,371	5,890,265	4,253,894
	1919	339	2,716	391	309	2,016	2,659	383,870	1,550,501	2,037,874	5,597,057	3,559,183
Carpets and rugs, wool, other than rag	1929	67	35,051	10	2,418	32,623	65,205	7,359,683	40,014,207	86,650,892	176,915,364	90,264,472
	1927	65	34,622	9	1,784	32,829	65,528	5,416,434	42,040,892	85,601,835	166,888,408	81,286,573
	1919	75	24,251	50	1,208	22,933	37,593	4,749,784	24,216,121	67,118,039	123,253,828	56,135,789
Carriage, wagon, sleigh, and sled materials	1929	45	832	30	121	681	4,760	238,968	564,635	1,481,988	2,792,228	1,310,240
	1927	44	909	32	113	764	5,213	215,059	664,515	1,554,554	3,040,948	1,486,394
	1919	258	7,429	212	708	6,509	23,672	1,305,544	5,666,771	14,734,673	26,765,316	12,030,643

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [2]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Carriages and sleds, children's	1929	79	7,909	16	792	7,102	10,895	1,960,574	8,313,356	13,514,787	28,817,860	15,303,073
	1927	89	7,812	24	758	7,030	10,309	1,757,595	7,813,648	13,895,086	28,668,145	14,773,059
	1919	103	7,513	65	762	6,686	6,071	1,744,085	6,229,038	11,700,158	24,506,596	12,806,438
Carriages, wagons, sleighs, and sleds	1929	88	3,465	22	570	2,873	14,899	1,417,687	3,417,963	8,458,294	16,449,879	7,991,586
	[4]1927	117	4,074	48	639	3,387	18,207	1,562,142	4,211,610	10,648,271	19,422,235	8,773,964
Cars, electric and steam railroad, not built in railroad repair shops	1929	147	46,116	3	6,098	40,015	238,455	13,365,728	63,387,382	223,889,397	428,220,204	104,330,807
	1927	135	44,275	-------	6,244	38,031	236,415	13,851,043	60,624,856	209,112,561	412,508,598	103,396,037
	1919	106	62,068	3	6,847	55,218	167,180	14,598,243	82,416,737	368,143,487	556,664,807	188,521,320
Cash registers and adding, calculating, and card-tabulating machines	1929	46	20,188	9	3,339	16,840	28,257	9,280,453	29,745,865	10,766,013	110,000,986	99,234,973
	1927	41	17,792	6	3,415	14,372	21,954	8,712,951	21,756,094	11,132,191	106,844,969	95,712,778
	1919	65	18,958	26	2,388	16,544	14,645	3,982,670	22,537,265	10,889,998	83,539,025	72,649,027
Caskets, coffins, burial cases, and other morticians' goods	1929	414	15,360	154	2,173	13,033	39,609	6,475,756	16,411,027	39,350,294	88,281,872	48,931,578
	1927	340	13,839	130	2,044	11,665	31,105	5,649,433	14,420,598	33,327,469	74,890,850	41,563,381
	1919	351	14,546	225	2,431	11,890	22,190	5,831,208	11,450,957	31,595,287	64,377,133	32,781,846
Cast-iron pipe	1929	72	21,036	9	1,286	19,741	69,757	3,750,877	22,551,778	34,289,365	80,260,550	45,971,185
	1927	82	24,183	6	1,286	22,892	63,196	3,427,122	25,982,196	48,224,970	95,088,622	46,863,652
	1919	59	13,777	4	1,148	12,625	28,741	2,431,212	14,705,398	25,386,552	50,235,101	24,848,549
Cement	1929	174	38,756	4	5,384	33,368	1,183,989	13,985,102	48,849,096	95,242,497	267,509,260	172,266,763
	1927	161	42,884	6	6,556	36,322	1,069,390	16,331,686	53,110,745	120,012,025	293,565,293	173,553,268
	1919	123	30,247	9	4,714	25,524	488,808	9,495,801	33,194,920	79,509,800	175,264,910	95,755,110
Cereal preparations	1929	121	8,204	46	1,670	6,488	66,291	3,355,063	8,875,622	101,471,521	175,223,126	73,751,605
	1927	77	7,245	35	1,182	6,028	50,979	2,615,105	8,417,246	91,748,332	155,563,286	63,814,954
	1919	105	10,919	45	3,240	7,634	46,992	5,748,813	8,508,879	117,838,248	159,223,465	41,385,217
Cheese	1929	2,758	5,786	1,524	861	3,401	24,739	859,419	4,588,067	92,727,217	110,644,732	17,917,516
	1927	2,738	5,596	1,241	835	3,520	20,976	768,903	4,897,205	100,787,583	118,447,757	17,660,174
	1919	3,530	6,993	2,400	596	3,997	24,411	1,050,043	4,808,991	129,425,265	143,455,704	14,030,439
Chemicals, not elsewhere classified	1929	651	75,558	41	13,318	62,199	854,358	35,924,786	94,680,013	363,576,811	738,048,386	374,471,575
	1927	492	62,694	63	10,294	52,347	676,285	28,182,303	78,274,975	296,677,164	572,090,732	275,413,568
	[3]1919	836	95,272	154	18,200	76,918	480,435	39,038,561	105,062,261	301,619,182	614,278,849	312,759,667
Chewing gum	1929	37	2,859	7	587	2,265	10,350	1,462,151	2,732,946	23,231,172	60,160,126	36,928,954
	1927	40	3,269	12	733	2,524	10,097	1,686,285	2,727,236	27,167,504	62,001,320	34,833,816
	1919	62	4,056	23	843	3,190	6,172	1,847,639	2,679,803	25,202,312	51,240,156	26,037,844
China firing and decorating, not done in potteries	1929	27	407	22	68	317	63	145,673	420,303	640,361	1,554,003	913,642
	1927	31	464	26	72	366	43	147,950	428,232	681,653	1,692,079	1,010,426
	1919	43	321	45	32	244	43	81,625	244,211	310,785	866,762	555,977
Chocolate and cocoa products, not including confectionery	1929	59	7,072	4	819	6,249	63,236	2,498,263	7,778,061	79,549,371	119,540,693	39,991,322
	1927	69	7,350	5	918	6,427	62,742	2,785,682	7,339,405	90,422,852	122,723,229	32,300,377
	1919	48	10,287	21	1,183	9,083	33,414	4,038,456	9,270,077	101,754,466	139,258,296	37,503,830
Cigars and cigarettes	1929	1,636	115,957	1,518	9,131	105,308	49,517	19,765,539	85,623,298	356,778,023	1,066,908,888	710,130,865
	1927	1,997	128,345	1,882	10,289	116,174	35,819	19,800,453	94,589,211	335,356,075	965,523,702	630,167,627
	1919	9,926	161,097	10,464	11,860	138,773	24,497	22,392,437	111,313,348	353,297,366	773,662,495	420,365,129
Clay products (other than pottery) and nonclay refractories	1929	1,749	102,055	530	8,189	93,336	533,887	21,330,306	106,918,327	81,798,742	294,934,513	213,235,771
	1927	1,846	109,983	600	8,411	100,972	529,581	21,868,695	121,967,507	99,859,669	319,907,843	220,038,174
	1919	2,414	86,503	1,649	7,939	76,915	405,157	15,840,907	78,256,085	67,488,113	208,422,920	140,934,807
Cleaning and polishing preparations	1929	429	4,505	168	1,624	2,713	10,609	4,349,271	3,356,161	19,390,041	50,779,632	31,389,591
	1927	341	3,993	182	1,408	2,403	8,485	3,549,621	2,988,430	15,219,635	41,234,466	26,014,831
	1919	499	4,264	356	1,953	1,955	4,510	3,698,314	1,898,447	12,923,518	26,703,109	13,779,591
Clocks, clock movements, time-recording devices, and time stamps	1929	56	11,943	4	1,538	10,401	12,451	3,827,459	12,481,894	10,675,113	42,165,875	31,490,762
	1927	52	11,268	7	1,396	9,865	9,510	3,507,361	11,750,620	10,062,765	38,195,803	28,133,038
	1919	46	9,260	11	997	8,252	6,952	1,998,374	7,861,611	7,177,813	23,380,190	16,202,377
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	1929	3,691	169,143	3,952	15,323	149,868	40,325	41,904,877	179,768,808	440,504,979	901,104,205	460,599,226
	[4]1927	3,562	168,708	4,231	18,378	146,099	34,351	43,046,189	184,613,090	447,244,635	932,181,718	484,937,083
Clothing, men's, buttonholes	1929	32	342	36	14	292	104	26,570	314,192	60,792	673,909	513,117
	1927	40	491	47	33	412	132	71,325	428,817	98,029	917,932	819,903
	1919	107	635	131	20	484	176	64,578	514,600	123,266	1,090,049	966,783
Clothing, women's, not elsewhere classified	1929	8,082	222,404	7,689	27,215	187,500	35,291	83,916,680	243,851,143	934,413,683	1,709,580,505	775,166,822
	1927	7,588	187,464	8,386	24,619	154,459	30,287	62,269,316	211,349,759	809,520,125	1,494,401,044	684,880,919
	1919	7,711	202,243	10,366	26,228	165,649	32,421	59,035,975	195,295,834	680,406,344	1,208,543,128	528,136,784
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	1929	511	41,196	323	2,672	38,201	11,492	6,219,073	26,647,078	83,551,715	138,450,078	54,898,363
	[4]1927	556	43,948	423	2,913	40,612	11,218	6,232,951	29,945,915	85,134,183	147,289,025	62,154,842
Cloth sponging and refinishing	1929	46	1,063	20	161	902	800	559,463	1,457,104	88,340	3,361,221	3,272,881
	1927	52	941	29	176	736	933	604,017	1,502,111	160,779	3,457,938	3,297,159
	1919	67	1,454	55	193	1,206	927	612,363	1,564,661	178,161	3,690,858	3,512,697
Coffee and spice, roasting and grinding	1929	928	13,792	436	4,303	9,053	45,465	12,008,823	10,606,360	332,150,200	424,344,837	92,194,637
	1927	784	13,063	423	4,445	8,195	42,542	12,215,938	9,537,473	284,652,793	384,281,306	99,628,513
	1919	794	20,187	556	9,091	10,540	29,706	16,504,017	9,201,242	243,899,108	304,791,677	60,892,569
Coke, not including gas-house coke	1929	153	23,508	5	2,951	20,552	393,211	7,451,438	33,339,425	281,592,430	416,348,458	134,756,028
	1927	171	23,869	-------	2,727	21,082	451,874	7,200,470	34,167,692	286,728,701	382,012,617	95,283,916
	1919	278	32,882	41	3,522	29,319	224,879	7,605,785	42,299,292	224,266,674	316,515,838	92,249,164

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [2]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Collapsible tubes	1929	17	1,968	.....	147	1,821	2,272	646,996	1,782,024	5,385,906	8,912,977	3,527,071
	1927	17	2,169	.....	185	1,984	2,849	650,000	1,918,055	7,103,927	11,350,710	4,246,783
Collars, men's	1929	15	3,192	7	233	2,952	1,281	341,353	2,263,335	3,630,168	8,740,396	5,110,228
	1927	24	3,606	18	318	3,270	3,131	652,086	2,966,938	5,866,677	13,264,207	7,397,530
	1919	39	12,562	37	1,422	11,103	5,276	2,012,639	7,430,729	19,434,095	47,564,949	28,130,854
Combs and bairpins, not made from metal or rubber	1929	24	793	16	121	656	1,015	267,983	640,857	1,006,824	2,482,419	1,475,595
	1927	36	1,474	15	200	1,259	1,591	491,550	1,249,064	1,873,003	4,436,656	2,563,653
	1919	45	2,475	38	208	2,229	1,588	488,327	1,809,453	3,168,818	6,566,365	3,397,547
Compressed and liquefied gases	1929	354	6,449	3	3,056	3,390	85,293	5,662,732	5,378,211	14,528,603	52,189,779	37,661,176
	1927	313	5,756	3	2,541	3,212	70,489	4,779,887	4,947,577	11,748,839	50,547,395	38,798,556
Concrete products	1929	2,438	21,697	1,734	3,458	16,505	67,651	8,349,404	22,688,062	34,035,184	92,900,749	58,865,565
	1927	2,330	22,980	1,866	3,306	17,808	54,342	7,462,907	24,897,709	33,913,086	93,259,206	59,346,120
	1919	2,785	12,879	3,055	1,446	8,378	22,178	2,290,989	9,310,899	13,913,317	33,664,332	19,751,015
Condensed and evaporated milk	1929	535	8,536	38	1,433	7,065	85,258	2,885,342	8,795,629	163,786,818	209,109,700	45,322,882
	1927	464	8,763	21	1,352	7,390	63,969	2,565,997	9,190,599	159,680,081	200,086,091	40,406,010
	1919	401	16,533	46	2,812	13,675	49,178	5,645,566	14,277,956	282,595,292	339,506,774	56,911,482
Confectionery	1929	2,021	73,940	1,222	9,217	63,501	112,644	23,585,475	56,442,674	215,192,474	393,269,849	178,077,375
	1927	1,908	74,525	1,383	9,979	63,163	110,595	24,564,736	56,980,548	218,372,553	391,927,343	173,554,790
	1919	3,149	93,982	3,146	14,343	76,493	77,036	31,244,470	54,461,057	252,433,691	447,726,103	195,292,412
Cooperage	1929	586	11,964	303	970	10,691	33,885	2,548,874	11,705,704	41,515,500	64,841,788	23,326,288
	1927	528	12,685	261	969	11,455	33,553	2,554,298	12,937,460	43,821,250	66,947,424	23,126,174
	1919	1,099	15,369	941	1,209	13,219	30,688	2,923,177	14,082,224	58,520,655	88,236,061	29,715,406
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	1929	2,161	37,063	1,516	6,954	28,593	53,749	18,413,534	43,254,611	112,648,712	222,484,625	109,836,513
	1927	1,981	32,065	1,623	5,915	24,527	35,880	14,585,751	38,667,690	95,385,897	191,128,636	92,742,739
	1919	4,796	38,559	5,056	5,863	27,640	24,130	11,009,498	33,866,823	80,898,528	160,313,945	79,415,417
Cordage and twine	1929	123	15,915	17	1,409	14,489	73,021	3,995,968	12,833,561	54,573,259	91,455,117	36,881,858
	1927	116	16,508	19	1,405	15,084	74,924	3,855,990	13,674,081	56,105,063	89,172,495	33,067,432
	1919	120	19,232	29	1,581	17,622	66,556	4,015,501	14,700,661	89,705,282	133,366,476	43,661,194
Cork products	1929	35	4,265	12	411	3,842	14,829	902,800	4,208,674	12,602,522	23,023,329	10,420,807
	1927	27	3,562	4	373	3,185	11,683	874,273	3,560,013	9,395,123	17,368,825	7,973,702
	1919	62	4,061	30	486	3,545	8,556	1,028,039	3,387,114	9,134,950	16,282,239	7,147,289
Corn sirup, corn sugar, corn oil, and starch	1929	35	8,227	9	1,488	6,730	84,686	4,136,258	9,872,909	104,284,827	165,983,739	61,698,912
	1927	26	8,257	3	1,282	6,972	81,003	3,075,505	10,489,679	90,905,776	134,461,166	43,555,390
	1919	56	8,694	37	862	7,795	52,036	2,212,362	11,962,483	130,328,848	186,256,260	55,927,412
Corsets and allied garments	1929	213	15,958	99	2,195	13,664	6,048	6,233,226	12,446,334	36,035,079	76,802,199	40,767,120
	1927	222	16,239	131	2,330	13,778	7,819	5,369,850	12,402,288	35,394,422	77,218,202	41,823,780
	1919	188	21,751	98	3,238	18,415	6,956	7,150,167	13,082,242	38,815,803	75,541,959	36,726,156
Cotton goods	1929	1,281	439,101	91	14,064	424,916	2,269,346	41,020,722	324,289,094	898,023,977	1,524,177,087	626,148,110
	1927	1,347	480,817	167	13,054	467,596	2,328,830	38,154,444	380,909,543	871,591,901	1,567,400,612	695,808,711
	1919	1,288	445,423	239	14,218	430,966	1,836,298	37,364,478	355,474,937	1,277,785,597	2,125,272,193	847,486,596
Cotton small wares	1929	202	16,680	69	1,330	15,281	27,308	4,015,407	15,449,435	33,636,208	65,169,753	31,533,545
	1927	220	16,621	105	1,558	14,958	29,205	4,514,817	15,333,332	32,222,020	64,819,965	32,597,945
Crucibles	1929	11	413	.....	92	321	1,680	310,540	430,141	1,035,414	2,944,724	1,909,310
	1927	11	360	.....	102	258	1,688	370,452	343,552	772,155	1,982,135	1,209,980
	1919	6	289	.....	50	239	608	160,739	257,119	1,045,718	2,146,236	1,100,518
Cutlery (not including silver and plated cutlery) and edge tools	1929	239	17,005	111	1,903	14,991	49,886	5,414,960	17,651,292	14,789,335	78,660,872	63,871,537
	1927	230	17,538	115	1,911	15,532	43,419	4,710,217	18,892,154	18,180,385	76,688,444	58,508,059
	1919	304	22,529	173	2,497	19,859	38,555	4,740,961	20,048,465	19,477,437	66,629,570	47,152,133
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; poultrymen's and apiarists' supplies	1929	172	7,210	96	1,664	5,450	13,672	3,816,437	6,925,320	16,371,116	42,246,758	25,875,642
	1927	152	6,587	66	1,430	5,091	13,576	3,352,138	6,373,561	15,686,293	36,823,648	21,137,355
	1919	244	8,614	164	2,013	6,437	11,756	3,504,406	7,078,433	18,526,743	37,397,448	18,870,705
Dental goods and equipment	1929	87	5,555	38	958	4,559	6,216	2,716,592	5,359,432	17,326,748	35,180,165	17,853,417
	1927	97	4,534	61	714	3,759	3,792	1,657,884	3,941,289	18,188,584	32,348,979	14,160,395
Doors, shutters, and window sash and frames, metal	1929	148	11,949	33	2,359	9,557	25,027	7,199,256	17,065,422	30,178,161	72,160,388	41,982,227
	1927	117	10,109	29	2,030	8,050	20,626	6,053,343	15,564,458	25,602,238	65,279,973	39,677,735
	1919	57	2,660	22	561	2,077	4,013	1,258,034	2,729,774	4,577,934	10,877,001	6,299,067
Druggists' preparations	1929	429	14,753	135	3,930	10,688	19,448	11,417,620	12,452,066	43,775,986	124,778,487	81,002,501
	1927	373	14,770	134	4,478	10,138	15,919	10,372,755	11,942,469	40,499,392	110,309,139	69,809,747
	1919	524	22,569	283	6,718	15,568	12,670	13,318,486	12,161,925	55,138,475	114,593,486	59,455,011
Drug grinding	1929	26	844	5	162	677	5,277	599,422	840,935	5,675,079	9,669,220	3,994,141
	1927	25	837	9	169	659	4,662	555,020	820,187	5,683,720	9,205,243	3,521,523
	1919	31	1,661	16	298	1,347	6,723	797,642	1,526,137	11,556,480	16,937,698	5,381,218
Dyeing and finishing textiles	1929	732	89,647	217	10,103	79,327	304,057	31,274,996	94,244,685	235,712,156	465,820,629	230,108,473
	1927	743	83,457	267	9,339	73,851	287,212	27,002,701	91,697,219	210,680,900	406,047,372	195,366,472
	1919	628	62,588	363	6,240	55,985	159,857	16,251,555	57,189,978	174,742,815	323,967,683	149,224,868
Electrical machinery, apparatus, and supplies	1929	1,802	405,053	464	75,867	328,722	893,519	170,847,326	456,377,629	971,017,623	2,300,915,572	1,329,897,949
	1927	1,777	306,968	915	64,847	241,566	661,168	148,248,997	336,238,750	645,761,699	1,637,307,035	991,545,336
	1919	1,404	271,912	473	59,665	212,374	438,082	98,180,439	238,188,852	425,098,211	997,968,119	572,869,908
Electroplating	1929	534	7,313	470	915	5,928	24,015	2,557,492	9,536,800	4,798,667	23,727,916	18,929,249
	1927	419	4,889	463	570	3,856	14,090	1,365,534	5,629,104	3,335,140	13,930,321	10,595,181
	1919	515	4,032	590	418	3,024	6,788	743,256	3,793,605	2,639,248	10,389,617	7,750,369

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [3]	Value added by manufacture [3]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Embroideries	1929	813	8,161	819	720	6,622	2,279	1,839,075	7,867,908	6,608,840	25,286,796	18,677,956
	[4] 1927	1,069	11,234	1,273	997	8,964	2,930	2,050,191	10,962,090	7,959,769	32,418,888	24,459,119
Emery wheels and other abrasive and polishing appliances.	1929	67	4,980	16	1,091	3,873	18,113	2,990,160	5,820,143	12,416,663	32,154,311	19,737,648
	1927	68	3,956	15	680	3,261	13,464	1,628,256	4,608,167	10,839,973	24,181,837	13,341,864
	1919	60	6,921	20	1,300	5,601	12,963	2,387,470	5,878,748	12,228,187	30,949,270	18,721,083
Engines, turbines, tractors, and water wheels.	1929	199	72,207	27	11,032	61,148	287,079	28,256,279	98,765,080	202,900,430	457,217,669	254,317,239
	1927	215	63,433	33	9,059	54,341	241,788	22,467,103	84,790,771	165,202,801	367,878,588	202,675,787
	1919	370	96,286	93	18,576	77,617	190,005	30,912,039	105,435,455	217,550,771	464,774,735	247,223,964
Engravers' materials	1929	19	383	3	67	313	1,493	270,807	448,385	1,794,804	3,129,483	1,334,679
	1927	17	245	3	64	178	864	186,464	293,962	1,289,261	2,168,737	879,476
	1919	21	252	11	67	174	733	166,179	212,171	1,484,269	2,248,122	763,853
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.	1929	189	2,833	182	411	2,240	2,965	1,328,075	3,211,743	2,583,039	10,933,741	8,350,702
	1927	173	2,295	164	326	1,805	2,028	949,841	2,612,434	2,078,160	7,930,688	5,852,528
	1919	478	2,656	533	245	1,878	1,750	491,951	2,391,504	1,927,323	7,350,602	5,423,279
Engraving, steel and copperplate, and plate printing.	1929	456	12,498	317	2,051	10,130	8,506	5,936,587	14,489,730	11,864,764	47,161,641	35,296,877
	1927	393	10,567	311	1,707	8,549	6,894	4,350,765	11,885,737	10,236,216	39,071,105	28,834,889
	1919	421	8,779	370	1,395	7,014	5,353	2,879,317	7,908,109	6,980,747	24,209,154	17,228,407
Engraving, wood	1929	27	260	30	28	142	54	73,860	323,211	82,256	738,951	656,701
	1927	23	194	26	36	132	45	77,316	290,777	76,354	641,437	565,083
	1919	55	387	62	90	235	67	152,162	407,215	219,268	1,153,618	934,350
Envelopes	1929	171	12,432	38	2,027	10,367	13,077	5,424,496	11,526,849	29,927,683	61,286,992	31,359,309
	1927	153	11,496	33	1,718	9,745	11,391	4,176,574	10,754,636	28,973,192	56,006,225	27,033,033
	1919	106	9,493	33	1,331	8,129	7,124	2,798,311	6,649,989	21,964,743	39,664,077	17,699,334
Excelsior	1929	66	1,391	54	96	1,241	10,667	272,214	1,219,144	2,439,530	5,008,769	2,569,239
	1927	64	1,433	42	119	1,272	10,930	312,588	1,181,488	2,547,114	4,821,098	2,273,984
	1919	95	1,491	81	168	1,242	10,332	326,041	1,144,503	2,521,967	4,913,450	2,391,483
Explosives	1929	95	6,433	28	791	5,614	51,612	2,226,390	8,487,890	31,764,307	72,539,724	40,775,417
	1927	100	6,690	25	862	5,803	38,239	2,272,514	8,131,234	36,893,576	72,489,668	35,596,092
	1919	118	15,429	28	6,152	9,249	51,635	13,244,224	12,504,986	45,911,049	92,474,813	46,563,764
Fancy and miscellaneous articles, not elsewhere classified.	1929	814	21,969	472	2,775	18,722	11,071	7,972,209	19,040,511	35,139,854	85,388,961	50,249,107
	1927	595	20,269	467	2,867	16,965	10,802	6,815,477	18,306,510	34,673,611	83,006,431	48,332,820
	1919	661	17,140	606	2,573	13,961	8,657	5,622,193	12,207,913	32,591,073	64,054,481	31,463,408
Feathers, plumes, and manufactures thereof.	1929	39	332	23	52	257	100	127,144	309,693	386,356	1,141,418	755,062
	1927	38	416	32	62	322	103	139,102	396,683	534,149	1,438,441	904,292
	1919	216	4,224	239	481	3,504	502	1,023,964	3,405,765	6,694,596	15,377,953	8,683,357
Feeds, prepared, for animals and fowls.	1929	750	14,736	352	4,161	10,223	170,482	9,579,066	12,821,386	327,919,743	402,752,534	74,832,791
	[4] 1927	447	11,567	189	3,746	7,632	115,855	7,772,435	9,762,954	244,675,705	299,792,642	55,116,937
Felt goods, wool, hair, or jute	1929	54	6,185	8	637	5,540	25,655	2,506,186	7,531,298	26,223,967	45,465,823	19,241,856
	1927	50	6,014	7	555	5,452	23,479	2,201,898	6,653,147	23,289,338	41,894,844	18,605,506
	1919	49	5,934	8	690	5,236	16,411	2,097,342	4,873,490	22,780,775	39,229,540	16,448,765
Fertilizers	1929	638	25,116	139	4,051	20,926	166,984	9,397,707	17,883,925	159,801,195	232,510,936	72,709,741
	1927	621	22,711	119	3,980	18,612	156,274	8,936,036	17,649,661	138,142,925	190,384,890	52,241,965
	1919	600	32,522	219	6,007	26,296	125,939	11,571,600	25,363,132	185,040,522	281,143,587	96,103,065
Files	1929	33	4,299	6	319	3,974	12,091	981,668	5,239,808	3,052,675	14,114,378	11,061,703
	1927	36	4,259	11	300	3,948	10,979	848,927	5,144,987	3,135,955	12,973,734	9,837,779
	1919	50	6,343	24	552	5,767	11,897	953,113	6,192,444	4,227,800	17,616,563	13,388,683
Firearms	1929	21	7,747	1	908	6,838	15,427	1,979,971	9,209,551	4,117,099	21,976,367	17,853,268
	1927	20	6,885	1	754	6,130	15,747	1,679,624	7,933,639	5,047,555	19,452,372	14,404,817
	1919	26	12,534	9	1,238	11,287	26,167	2,094,183	13,333,495	7,613,784	30,181,370	22,567,586
Fire extinguishers, chemical	1929	28	1,684	8	336	740	1,464	907,375	958,570	4,187,524	8,566,089	4,378,565
	1927	26	1,193	6	355	832	1,564	607,132	1,191,708	4,009,775	8,035,156	4,025,381
	1919	32	1,128	19	332	777	855	645,611	751,119	2,693,416	5,563,180	2,869,764
Fireworks	1929	50	2,002	16	175	1,811	1,746	453,215	1,930,595	2,464,617	6,583,502	4,118,885
	1927	36	1,710	8	138	1,564	1,300	367,070	1,395,024	2,623,672	5,884,930	3,261,267
	1919	57	1,366	26	148	1,222	1,005	325,274	994,851	2,108,156	4,529,984	2,421,828
Flags and banners	1929	54	1,159	31	190	938	577	439,488	794,328	1,771,320	3,835,824	2,064,504
	1927	46	1,258	35	177	1,046	700	352,663	897,906	2,282,456	4,536,348	2,253,892
	1919	79	1,345	60	220	1,065	778	480,960	795,242	3,286,165	5,346,089	2,059,924
Flavoring extracts and flavoring sirups	1929	642	7,847	302	2,504	5,041	33,838	7,748,504	7,070,860	55,517,926	129,086,237	73,568,311
	1927	500	7,887	219	2,657	5,011	27,963	7,137,333	7,134,274	51,090,727	107,219,395	56,128,668
	1919	602	6,771	432	2,753	3,586	6,553	5,230,983	2,962,566	50,416,804	76,923,650	26,506,846
Flax and hemp, dressed	1929	6	62	2	13	47	429	18,428	35,406	93,477	197,035	103,558
	1927	7	77	5	10	62	654	12,912	51,390	116,166	282,895	166,729
	1919	26	491	26	45	420	1,926	87,591	447,373	1,708,670	2,369,114	660,444
Flour and other grain-mill products	1929	4,022	39,126	3,334	8,764	27,028	641,456	20,594,955	35,072,386	868,872,569	1,060,269,418	191,396,849
	1927	4,035	43,730	3,602	10,146	29,982	641,608	22,231,064	37,559,472	972,711,040	1,148,760,360	176,049,320
	1919	10,708	75,769	11,937	18,351	45,481	875,464	32,013,030	50,888,303	1,799,180,987	2,052,434,385	253,253,398
Food preparations, not elsewhere classified.	1929	862	14,376	571	3,189	10,616	36,716	8,792,862	11,657,726	96,387,639	171,860,987	75,473,348
	[4] 1927	674	13,942	456	3,192	10,294	34,773	7,785,967	11,866,636	98,248,740	166,964,672	68,715,932

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [3]	Valueadded by manufacture [3]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Forgings, iron and steel, not made in plants operated in connection with rolling mills.	1929	218	23,555	43	2,630	20,882	147,491	8,715,756	34,505,349	71,606,964	156,248,947	84,641,983
	1927	219	17,972	53	2,325	15,594	127,975	7,266,330	23,539,551	52,101,995	105,035,719	52,933,724
	1919	261	33,536	70	4,331	29,135	104,870	10,710,965	40,602,802	83,561,111	177,119,105	93,557,994
Foundry and machine-shop products, not elsewhere classified.	1929	8,605	545,377	3,687	87,249	454,441	1,804,886	247,857,074	697,508,589	1,038,066,092	2,791,461,964	1,753,395,872
	1927	*8,095*	*487,064*	*4,164*	*81,228*	*558,672*	*1,550,240*	*213,245,076*	*590,524,020*	*878,771,144*	*2,268,653,217*	*1,389,882,073*
	1927	8,380	490,285	4,367	81,979	403,939	1,561,934	215,394,585	601,022,508	883,651,734	2,291,543,110	1,407,891,376
	1919	10,934	577,308	7,662	86,879	482,767	1,040,265	181,775,328	622,571,129	948,069,381	2,289,250,859	1,341,181,478
Foundry supplies	1929	59	1,151	10	288	853	9,396	986,500	1,255,801	5,534,548	10,458,589	4,924,041
	1927	65	1,365	12	412	941	11,133	1,066,313	1,200,141	6,539,050	11,635,060	5,096,010
	1919	76	1,331	23	402	906	6,327	887,522	1,032,029	5,667,236	9,954,676	4,287,440
Fuel: Briquettes and houlets	1929	23	515	-------	89	426	14,893	265,252	584,029	5,918,799	9,497,657	3,578,858
	1927	20	331	-------	57	274	9,594	152,748	445,511	4,873,195	7,203,410	2,330,215
	1919	11	228	-------	57	171	5,180	134,110	221,545	1,386,394	1,973,877	587,483
Fur goods	1929	2,855	23,014	3,161	4,101	15,752	6,511	12,757,711	33,329,965	176,106,910	277,592,752	101,485,842
	1927	2,756	24,488	3,755	4,093	16,640	5,655	10,092,886	37,670,610	195,322,988	299,615,047	104,292,059
	1919	1,815	19,834	2,527	3,668	13,639	5,327	7,993,146	24,149,212	105,596,605	173,137,739	67,541,134
Furnishing goods, men's, not elsewhere classified.	1929	598	29,582	468	2,526	26,588	7,036	7,459,130	23,009,391	83,631,818	150,963,603	67,331,785
	1927	534	28,712	436	3,093	25,183	7,190	6,553,571	22,070,339	82,839,406	145,474,143	62,634,737
	1919	487	22,530	503	3,083	18,944	5,659	8,115,308	13,562,866	64,743,912	107,834,695	43,090,783
Furniture, including store and office fixtures.	1929	3,778	219,799	1,883	24,517	193,399	503,970	70,847,629	242,832,006	426,454,169	948,116,358	521,662,189
	1927	3,238	212,256	1,576	22,537	188,143	455,881	61,188,728	238,240,167	392,098,519	885,204,300	493,105,781
	1919	3,279	162,660	2,468	19,940	140,252	265,166	44,176,520	143,152,217	265,725,010	579,906,396	314,181,386
Furs, dressed	1929	248	6,121	174	780	5,167	10,769	3,081,603	8,596,377	18,648,954	40,237,192	21,588,238
	1927	172	6,458	100	818	5,540	12,467	2,808,429	10,360,987	7,071,830	27,680,635	20,608,786
	1919	141	5,679	127	477	5,075	5,421	1,504,541	7,098,286	6,338,835	20,384,569	14,045,734
Galvanizing and other coating, not done in plants operated in connection with rolling mills.	1929	65	1,362	24	213	1,125	2,266	673,380	1,563,716	3,939,417	7,666,541	3,727,124
	1927	59	1,170	26	191	953	2,657	583,927	1,448,940	3,722,411	6,950,855	3,228,444
	1919	52	1,965	33	267	1,665	1,571	601,841	2,247,953	10,532,288	14,475,682	3,943,394
Gas and electric fixtures; lamps, lanterns, and reflectors.	1929	614	28,609	270	4,759	23,580	40,209	13,710,800	33,268,595	57,918,407	144,965,706	87,047,299
	1927	481	26,082	261	4,791	21,030	31,291	12,636,807	29,260,824	55,605,545	127,802,407	72,193,862
	1919	512	22,113	337	3,621	18,155	22,278	7,132,926	19,094,877	38,687,571	80,366,570	41,679,299
Gas machines, gas meters, and water and other liquid meters.	1929	72	7,475	7	1,367	6,101	11,029	3,854,617	8,931,625	15,187,488	40,623,344	25,435,856
	1927	58	7,125	4	1,206	5,915	10,427	3,229,073	8,792,364	15,690,977	36,715,190	21,124,213
	1919	105	7,076	24	1,463	5,589	8,586	2,756,353	6,995,877	10,647,402	26,267,074	15,619,672
Gas, manufactured, illuminating and heating.	1929	754	65,624	-------	22,559	43,065	544,024	40,774,202	60,160,926	188,416,183	512,652,695	324,236,412
	1927	838	75,285	-------	26,788	48,497	496,014	45,514,425	68,356,448	211,785,523	616,706,170	404,919,647
	1919	1,022	63,328	27	20,393	42,908	238,454	25,172,453	52,758,628	157,550,882	329,278,908	171,728,026
Glass	1929	263	73,427	31	5,869	67,527	341,979	15,586,531	87,795,111	103,293,943	303,818,560	200,524,617
	1927	269	71,533	79	6,629	65,825	318,298	13,853,782	81,352,734	109,911,464	282,394,330	172,482,866
	1919	371	83,656	60	6,076	77,520	207,338	13,364,569	87,526,625	90,780,124	261,884,080	171,103,956
Glass products (except mirrors) made from purchased glass.	1929	431	7,335	301	1,005	6,029	5,757	2,726,382	7,814,551	16,318,633	33,273,003	16,954,370
	1927	400	6,605	343	797	4,465	3,316	1,996,852	6,214,552	8,778,568	22,327,581	13,549,013
	1919	616	8,248	531	1,237	6,480	6,042	2,138,109	6,154,831	14,357,878	28,443,321	14,085,443
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics.	1929	125	9,924	63	582	9,279	3,702	1,012,521	5,914,275	19,289,234	29,882,958	10,593,724
	1927	131	10,824	72	456	10,296	4,112	956,181	6,669,708	17,392,166	30,202,152	12,809,986
	1919	182	9,746	133	627	8,986	3,364	1,237,976	4,855,246	16,092,462	28,220,113	12,127,651
Gloves and mittens, leather	1929	257	10,332	231	898	9,203	3,498	2,272,323	9,203,911	20,205,740	39,122,729	18,916,989
	1927	232	10,397	251	1,040	9,106	2,603	2,037,884	8,813,912	19,276,416	36,662,053	17,385,637
	1919	355	12,694	405	1,504	10,685	3,288	3,098,046	8,150,784	26,286,129	46,940,511	20,654,382
Glue and gelatin	1929	74	3,552	14	545	2,993	23,684	1,658,419	4,236,092	18,978,027	32,458,019	13,479,992
	1927	61	3,779	18	535	3,226	24,763	1,610,424	4,624,232	19,222,384	31,195,807	11,973,423
	1919	62	4,905	23	618	4,264	16,979	1,378,636	4,776,724	19,279,905	32,134,667	12,854,162
Gold leaf and foil	1929	75	1,327	69	81	1,177	383	261,796	1,134,044	1,932,667	3,978,024	2,045,357
	1927	77	1,302	84	72	1,146	346	177,403	1,120,434	1,721,174	3,671,190	1,850,016
	1919	87	1,146	97	99	950	408	204,692	983,600	2,655,335	4,461,668	1,806,233
Gold, silver, and platinum, reducing and refining, not from the ore.	1929	69	1,416	46	439	931	4,230	1,303,597	1,633,838	61,570,093	67,959,140	6,389,047
	1927	67	1,146	32	313	801	4,288	951,456	1,434,620	68,877,476	62,647,127	3,769,661
	1919	87	995	81	270	644	3,141	637,693	843,608	49,736,978	56,483,215	5,746,237
Graphite, ground and refined	1929	11	561	2	65	494	3,156	185,619	627,235	1,457,860	3,759,969	2,302,109
	1927	13	363	2	72	289	3,011	233,529	340,510	1,319,161	2,931,584	1,612,423
	1919	24	664	10	157	497	7,445	277,267	434,317	1,092,684	2,239,587	1,146,903
Grease and tallow, not including lubricating grease.	1929	297	6,611	177	959	5,475	41,686	2,615,255	7,862,149	40,142,447	61,607,990	21,465,543
	1927	247	6,245	143	1,050	5,052	34,069	2,809,968	7,402,936	38,272,446	66,279,958	18,007,512
	1919	482	8,276	454	1,175	6,647	25,544	2,005,084	7,954,378	47,756,341	67,265,206	19,508,865
Haircloth	1929	13	504	12	42	450	1,113	126,838	526,669	2,550,563	3,855,388	1,304,825
	1927	16	442	18	39	385	1,312	83,897	480,045	2,688,784	3,616,119	927,335
	1919	18	611	19	67	425	972	143,910	425,149	2,259,142	3,315,113	1,055,971
Hair work	1929	59	474	29	86	359	44	184,390	432,340	538,479	1,693,588	1,155,109
	1927	69	683	57	111	515	21	281,885	598,034	829,891	2,279,226	1,449,335
	1919	198	1,549	210	255	1,084	119	482,316	1,064,630	3,829,197	6,963,033	3,133,836

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [3]	Value added by manufacture [3]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Handkerchiefs	1929	105	6,525	60	451	6,014	2,409	1,172,291	4,635,901	16,342,735	29,653,777	13,211,042
	1927	115	7,314	71	584	6,659	2,665	1,339,622	5,264,147	18,205,237	31,588,220	13,382,983
Hand stamps and stencils and brands	1929	332	4,112	211	930	2,971	3,596	2,346,875	4,080,780	3,811,158	15,036,023	11,224,865
	1927	293	3,963	220	1,075	2,668	3,159	2,398,157	3,841,771	3,733,718	14,155,607	10,421,889
	1919	382	3,341	377	828	2,136	1,848	1,405,066	2,261,287	3,148,667	9,336,558	6,187,891
Hardware not elsewhere classified	1929	485	60,250	124	7,820	62,306	112,705	19,768,563	67,702,255	76,480,210	229,477,507	152,997,297
	1927	485	55,050	188	7,028	47,834	99,674	17,313,654	60,827,474	71,877,055	208,253,586	136,376,531
	1919	585	53,027	340	6,507	46,180	74,240	13,121,350	49,273,749	62,815,358	168,651,444	105,846,086
Hat and cap materials, men's	1929	112	2,937	77	296	2,564	5,164	958,415	2,875,718	17,305,115	25,030,943	7,725,828
	1927	96	3,116	87	267	2,762	5,158	934,499	2,658,871	15,671,792	23,339,341	7,667,549
	1919	133	3,484	134	341	3,009	4,927	950,127	3,132,571	16,643,919	26,521,212	9,877,293
Hats and caps, except felt and straw, men's	1929	576	7,279	564	889	5,826	1,796	2,314,648	7,604,078	16,907,661	35,900,664	18,993,003
	1927	568	8,015	701	1,014	6,300	1,999	2,436,033	9,126,438	20,702,296	41,213,965	20,611,669
	1919	709	9,752	931	1,282	7,539	1,687	2,765,699	9,438,864	24,176,514	44,539,861	20,363,347
Hats, fur-felt	1929	159	18,272	72	1,661	16,539	19,894	5,677,530	22,502,542	55,298,045	102,004,165	46,706,120
	1927	139	17,531	103	1,532	15,896	20,517	4,568,107	22,854,664	51,053,257	99,184,842	48,131,585
	1919	176	20,318	148	1,660	18,510	20,377	4,631,672	19,642,831	40,158,019	82,745,308	42,587,289
Hats, straw, men's	1929	50	3,792	12	400	3,380	1,836	1,368,251	3,687,570	8,704,621	18,738,994	10,034,373
	1927	48	3,772	11	498	3,263	1,554	1,289,630	4,232,332	11,782,956	21,717,689	9,934,733
Hats, wool-felt	1929	14	2,202	5	169	2,028	2,811	395,830	2,314,680	4,678,189	9,055,590	4,377,401
	1927	12	2,214	9	92	2,113	2,405	258,938	2,190,031	4,489,717	8,806,616	4,316,899
	1919	40	1,648	43	157	1,448	2,694	358,251	1,387,777	3,699,822	6,739,652	3,039,830
Hones, whetstones, and similar products	1929	6	192	3	15	174	850	40,554	182,155	340,669	868,811	528,142
Horse blankets, fly nets, and related products	1929	14	658	5	71	582	1,375	187,453	497,871	1,470,670	2,895,158	1,424,488
	1927	16	737	6	71	660	1,421	170,105	574,177	1,877,896	3,379,105	1,601,209
	1919	28	959	25	168	766	1,577	318,431	551,278	3,455,686	6,020,612	2,564,926
House-furnishing goods, not elsewhere classified	1929	964	19,163	639	2,730	15,794	16,866	7,580,280	16,150,499	76,624,989	127,602,002	50,977,013
	1927	548	13,958	442	1,825	11,691	12,997	4,787,552	10,947,259	52,704,736	87,676,606	34,971,870
	1919	467	10,010	417	1,740	7,853	11,857	3,770,328	6,443,915	39,793,962	60,211,804	20,417,842
Ice cream	1929	3,150	31,625	2,194	7,032	22,399	230,882	17,144,814	33,803,044	155,964,386	328,413,911	172,449,525
	1927	2,961	31,065	2,362	6,776	21,927	206,315	15,457,225	33,107,615	150,602,029	301,644,991	151,042,962
	1919	3,475	28,046	3,905	4,986	19,155	102,646	8,551,559	21,698,809	116,375,479	189,483,065	73,107,586
Ice, manufactured	1929	4,110	40,710	1,161	7,365	32,184	1,077,295	16,820,375	42,399,295	39,808,164	210,952,264	171,144,100
	1927	3,159	30,092	937	7,035	22,120	965,406	14,671,505	32,611,118	40,815,512	184,794,988	143,979,476
	1919	2,867	38,605	1,566	6,792	30,247	569,925	10,952,131	34,001,837	42,877,509	137,004,798	94,127,289
Ink, printing	1929	147	3,597	36	1,113	2,448	20,300	4,311,804	3,957,185	19,204,715	42,749,992	23,545,277
	1927	123	3,282	36	958	2,288	18,901	3,313,582	3,665,199	16,054,110	37,734,493	21,680,383
	1919	90	3,061	50	1,023	1,988	10,229	2,817,162	2,574,920	14,661,115	26,244,470	11,583,355
Ink, writing	1929	29	756	14	326	416	847	635,736	479,995	1,992,573	4,594,974	2,602,401
	1927	24	787	20	276	491	743	629,090	576,091	2,208,835	6,342,027	3,133,192
	1919	61	1,216	55	459	702	610	957,046	596,168	3,320,346	6,433,941	3,113,595
Instruments, professional and scientific	1929	276	21,185	124	4,185	16,876	22,816	11,014,706	22,682,052	28,411,430	89,746,369	61,334,939
	1927	280	20,270	197	3,659	16,414	25,587	8,698,555	22,288,973	28,880,222	87,783,488	58,903,266
	1919	351	19,787	248	3,608	15,931	12,981	7,061,646	17,499,888	19,494,634	58,136,691	38,642,057
Iron and steel: Blast furnaces	1929	105	27,376	-------	2,416	24,960		6,846,369	41,958,569	610,293,691	771,425,464	161,131,773
	1927	116	30,514	-------	2,556	27,958		7,335,957	44,258,499	579,555,036	708,904,238	129,349,202
	1919	195	46,956	41	5,255	41,660	7,532,530	13,435,048	73,769,395	621,286,496	794,466,558	173,180,062
Iron and steel: Steel works and rolling mills	1929	486	431,528	17	36,937	394,574	6,781,058	103,432,723	689,015,541	1,904,083,157	3,365,788,805	1,461,705,648
	1927	486	397,347	16	36,019	361,312	5,399,574	97,199,644	601,275,499	1,689,655,295	2,779,840,238	1,090,184,943
	1919	500	421,861	35	46,738	375,088		99,880,420	637,637,430	1,680,575,758	2,828,902,376	1,148,326,618
Iron and steel, processed	1929	46	692	15	166	511	2,210	570,218	878,459	1,088,672	3,865,480	2,776,808
	1927	33	331	15	85	231	1,716	218,823	392,273	509,690	1,443,289	933,599
Ivory, shell, and bone work, not including buttons, combs, or hairpins	1929	21	444	17	36	391	642	88,627	424,783	517,325	1,260,426	743,101
	1927	22	357	25	38	294	599	85,296	329,752	328,067	911,342	583,275
	1919	44	991	45	104	842	879	217,750	734,932	1,293,876	2,816,530	1,522,654
Jewelry	1929	1,536	34,797	1,340	5,535	27,922	27,402	16,090,552	38,979,810	79,804,617	177,386,932	97,582,315
	1927	1,367	31,174	1,337	5,721	24,116	17,070	13,947,534	36,765,805	76,915,375	164,865,057	87,949,682
	1919	2,054	39,630	2,339	6,420	30,871	15,096	14,187,847	35,863,718	110,450,683	203,939,230	93,488,547
Jewelry and instrument cases	1929	113	2,680	101	310	2,269	1,503	982,466	2,472,880	3,324,459	8,826,727	5,502,268
	1927	107	2,825	88	331	2,406	1,440	856,461	2,597,056	3,293,986	8,810,065	5,516,079
	1919	142	3,166	146	286	2,734	1,075	669,120	2,147,648	3,505,840	8,126,300	4,620,460
Jute goods	1929	20	5,330	5	394	4,931	35,079	1,033,423	4,276,143	11,967,578	21,869,757	9,902,179
	1927	23	5,772	8	406	5,358	36,210	1,055,845	4,987,228	11,802,328	23,185,997	11,383,669
	1919	26	7,587	13	436	7,138	32,135	1,114,015	6,436,286	17,708,834	34,442,698	16,733,864
Knit goods	1929	1,888	223,340	823	14,029	208,488	181,879	42,846,788	210,714,335	456,700,958	899,716,672	443,015,714
	1927	1,869	204,232	980	12,969	190,283	177,216	34,569,194	188,163,458	424,099,384	816,620,494	392,521,119
	1919	2,050	186,673	1,488	12,613	172,572	149,438	32,326,582	126,199,820	427,095,560	713,139,689	286,044,120

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Labels and tags	1929	153	5,528	57	997	4,474	6,473	3,107,478	5,868,952	10,555,674	28,042,325	17,486,651
	1927	121	7,879	49	1,689	6,141	6,869	3,479,380	8,000,426	16,259,439	34,397,630	18,138,191
	1919	119	6,648	73	1,348	5,227	4,033	2,458,276	4,549,902	11,274,767	24,243,992	12,969,225
Lace goods	1929	42	7,694	4	836	6,854	10,466	2,899,867	7,670,122	10,112,353	29,237,434	19,125,081
	1927	43	7,250	16	752	6,482	11,309	2,213,902	7,584,848	11,392,379	27,298,159	15,905,780
	1919	44	7,196	8	698	6,490	9,078	2,024,441	6,086,557	13,075,994	29,396,853	16,320,859
Lapidary work	1929	100	741	112	123	506	474	396,877	1,001,706	8,234,889	11,942,421	3,707,632
	1927	92	782	101	134	547	513	366,197	1,220,647	9,133,059	12,351,503	3,218,444
	1919	124	1,469	147	167	1,155	680	698,643	2,837,811	19,363,004	30,051,460	10,688,456
Lasts and related products	1929	58	2,078	13	305	1,760	7,230	919,285	2,569,368	2,314,597	7,689,555	5,374,958
	1927	59	2,069	22	329	1,718	7,655	905,150	2,504,116	2,505,032	7,529,149	5,024,117
	1919	64	3,344	43	391	2,910	5,539	1,110,367	3,415,950	3,932,662	12,470,539	8,537,877
Leather goods, not elsewhere classified	1929	392	7,210	283	892	6,035	3,196	2,582,733	6,759,742	18,013,489	35,951,013	17,937,524
	1927	413	8,754	328	1,238	7,188	3,651	2,937,367	8,379,080	21,539,590	43,291,552	21,751,962
	1919	503	11,141	488	1,708	8,945	3,840	4,022,442	9,415,403	30,035,537	52,952,772	22,917,235
Leather: Tanned, curried, and finished	1929	471	54,316	93	4,291	49,932	229,660	15,649,249	63,413,707	337,597,868	481,340,299	143,742,431
	1927	494	57,487	163	4,400	52,924	220,530	13,856,133	67,887,231	331,984,736	494,255,838	162,271,102
	1919	680	79,292	398	6,418	72,476	217,761	20,178,972	88,205,473	646,521,527	928,591,701	282,070,174
Lime	1929	237	9,440	54	832	8,554	90,276	2,049,311	9,476,314	13,907,760	35,815,658	21,907,898
	1927	260	12,048	72	1,073	10,903	84,195	2,355,483	12,190,918	17,269,467	41,587,458	24,317,991
	1919	476	12,855	349	1,101	11,405	51,735	1,995,880	10,869,196	14,296,925	33,970,463	19,673,538
Linen goods	1929	16	2,410	-------	215	2,195	11,006	535,554	2,185,339	5,214,428	9,736,898	4,522,470
	1927	18	2,741	-------	211	2,530	11,473	617,486	2,545,210	5,409,441	10,377,346	4,967,905
	1919	10	2,070	-------	180	1,890	6,069	329,325	1,635,642	4,190,187	6,998,046	2,807,859
Linoleum	1929	7	6,894	-------	1,350	5,544	51,647	2,470,590	8,560,183	27,489,253	57,250,449	29,761,196
	[4]1927	7	6,147	-------	783	5,364	41,432	1,757,082	8,176,644	24,215,618	47,442,441	23,226,823
Liquors, vinous	1929	24	254	13	55	186	1,188	282,393	277,963	608,857	2,447,912	1,839,055
	1927	13	242	5	87	150	999	294,211	177,073	1,206,217	2,692,856	1,486,639
	1919	342	1,661	364	286	1,011	5,189	1,370,088	1,013,898	8,115,841	17,454,194	9,338,353
Lithographing	1929	376	23,719	92	4,648	18,979	35,471	15,510,752	32,021,919	38,992,142	121,014,321	82,022,179
	1927	309	20,127	76	3,703	16,348	28,541	12,060,439	27,465,552	32,703,772	97,050,124	64,346,352
	1919	331	19,305	150	3,537	15,618	18,550	9,112,951	18,201,089	27,718,217	73,151,115	45,432,898
Locomotives, not made in railroad repair shops	1929	16	12,851	5	1,801	11,045	98,482	5,519,672	17,994,078	52,808,092	83,858,258	31,050,166
	1927	17	14,611	-------	1,650	12,961	148,971	4,983,951	17,648,206	45,688,450	76,719,403	31,030,953
	1919	17	28,742	1	2,026	26,715	96,504	4,778,316	38,798,641	72,375,950	156,269,730	83,893,780
Lubricating oils and greases, not made in petroleum refineries	[7]1929	177	4,093	34	1,482	2,577	13,281	4,167,049	3,738,637	39,571,373	69,584,246	30,012,873
Lumber and timber products, not elsewhere classified	1929	12,915	454,143	13,345	21,714	419,084	1,985,301	56,438,365	421,584,874	419,603,388	1,273,472,320	853,868,932
	1927	7,510	441,793	6,514	21,333	413,946	1,781,734	51,956,991	413,361,954	493,959,120	1,214,645,683	720,686,663
	1919	26,119	538,788	31,348	26,495	480,945	2,355,345	55,928,273	489,419,091	470,960,488	1,387,471,413	916,510,925
Macaroni, spaghetti, vermicelli, and noodles	1929	353	6,341	377	892	5,072	24,448	2,302,756	5,384,353	27,336,126	47,074,230	19,738,104
	1927	353	5,884	425	872	4,587	21,406	2,096,262	5,070,936	27,433,792	45,353,200	17,919,408
	1919	557	6,226	687	996	4,543	16,693	1,707,351	4,168,009	25,109,951	37,057,198	11,947,247
Machine-tool accessories and small metal-working tools, not elsewhere classified	[8]1929	722	30,973	406	3,885	26,682	64,398	12,825,679	51,084,540	26,992,631	144,410,890	117,418,259
Machine tools	1929	280	56,298	42	8,865	47,391	141,778	24,493,039	76,410,237	64,284,022	244,578,088	180,294,066
	[6]*1927*	*388*	*89,124*	*55*	*6,686*	*82,383*	*185,486*	*18,274,626*	*47,408,385*	*45,151,422*	*145,854,981*	*102,703,489*
	1927	355	42,642	98	7,275	35,269	131,670	20,086,851	52,365,692	46,114,849	159,513,125	113,398,276
	1919	403	61,762	132	8,519	53,111	100,294	18,037,856	66,178,969	59,034,308	212,400,158	153,365,850
Malt	1929	28	742	1	151	590	18,098	613,682	1,056,759	18,923,749	23,602,938	4,679,189
	1927	23	628	4	124	500	15,390	451,886	904,420	17,186,750	20,274,172	3,087,422
	1919	55	1,713	8	353	1,352	27,483	1,017,501	1,845,210	31,612,707	39,340,414	7,727,707
Marble, granite, slate, and other stone products	1929	1,881	45,258	1,525	5,916	37,817	305,915	18,495,849	63,040,664	57,637,838	192,163,916	134,526,078
	1927	1,978	48,201	1,694	6,033	40,474	295,174	16,719,146	68,490,655	66,328,248	201,181,281	134,853,033
	1919	4,240	42,214	4,774	4,672	32,768	169,177	8,760,854	38,354,822	49,524,341	129,164,653	79,640,312
Matches	1929	21	4,122	1	361	3,760	17,997	992,295	4,118,093	12,526,327	20,351,025	7,824,698
	1927	19	4,181	-------	276	3,905	17,607	557,164	4,130,988	11,884,075	24,905,835	13,021,760
	1919	21	5,126	3	1,397	3,726	12,947	1,805,995	3,059,537	6,852,970	18,495,876	11,642,906
Mats and matting, grass and coir	1929	7	523	4	52	467	1,293	145,975	439,802	684,951	1,692,200	1,007,249
	1927	7	478	3	53	422	1,425	115,991	398,426	668,856	1,536,567	867,711
	1919	12	1,173	7	93	1,073	1,670	229,644	810,607	2,102,580	4,860,855	2,758,275
Mattresses and bed springs, not elsewhere classified	1929	951	20,544	688	2,669	17,187	50,554	7,013,752	22,583,835	61,527,026	123,279,717	61,752,691
	1927	838	16,821	615	2,723	13,481	32,937	7,005,802	16,886,711	52,182,075	98,834,558	46,652,483
	1919	1,041	16,244	983	2,624	12,637	23,387	5,558,348	12,805,351	49,208,560	83,952,609	34,744,049
Meat packing, wholesale	1929	1,277	146,717	863	23,349	122,505	524,989	54,733,864	165,867,420	2,974,127,757	3,434,654,098	460,626,341
	1927	1,250	144,224	885	24,244	119,095	489,576	54,641,992	161,583,827	2,663,740,403	3,057,215,718	393,475,315
	1919	1,304	197,392	1,071	35,325	160,996	358,522	59,685,365	209,489,263	3,782,929,533	4,246,290,614	463,361,081
Millinery	1929	1,293	38,155	782	6,167	32,206	10,176	15,898,015	42,715,059	98,089,659	195,693,457	97,603,798
	[4]1927	1,148	39,499	843	5,345	33,311	7,920	14,020,920	46,787,735	103,489,714	209,494,828	106,005,114

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [3]	Value added by manufacture [3]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Minerals and earths, ground or otherwise treated.	[7]1929	88	2,053	7	367	1,679	39,117	1,202,305	2,187,923	8,937,883	17,409,056	8,471,173
Mirror and picture frames	1929	178	5,226	99	681	4,446	8,334	2,206,339	5,752,196	6,532,524	19,237,897	12,705,373
	1927	166	5,208	119	629	4,460	6,228	1,748,837	5,893,073	7,056,460	19,488,721	12,432,261
	1919	429	5,929	398	823	4,708	4,659	1,726,101	4,775,227	7,227,232	18,384,562	11,157,330
Mirrors, framed and unframed	1929	304	5,859	172	905	4,782	8,414	2,504,154	6,941,976	15,659,049	31,842,740	16,183,691
	1927	250	5,321	153	860	4,308	7,630	2,266,992	6,360,813	16,188,614	31,424,943	15,236,329
	1919	186	3,302	154	549	2,599	4,233	1,382,014	2,819,140	12,498,733	20,830,775	8,332,042
Models and patterns, not including paper patterns.	1929	804	8,484	684	1,022	6,778	12,378	3,212,408	13,233,622	5,314,359	30,621,074	25,306,715
	1927	693	7,100	725	791	5,584	11,465	2,329,654	10,544,694	4,659,266	23,494,992	18,835,726
	1919	928	8,860	1,078	833	6,949	13,750	1,908,116	10,318,104	6,395,834	25,300,389	18,904,555
Motion pictures, not including projection in theaters.	1929	142	19,639	37	8,818	10,784	49,732	60,167,520	24,860,092	38,441,025	184,102,419	145,661,394
	[4]1927	142	16,055	42	7,598	8,415	32,160	56,298,560	18,637,005	34,867,472	134,343,360	99,475,888
Motor-vehicle bodies and motor-vehicle parts.	1929	1,154	241,813	540	19,941	221,332	824,705	57,663,412	366,503,385	856,985,637	1,537,929,793	680,944,156
	1927	1,213	200,895	493	18,913	181,489	551,639	49,437,107	291,200,968	641,306,562	1,151,426,365	510,119,803
	1919	2,515	153,182	2,129	18,497	132,556	256,770	34,968,340	178,955,503	362,027,302	692,170,692	330,143,390
Motor vehicles, not including motorcycles.	1929	244	253,228	36	27,076	226,116	713,912	79,865,972	366,579,233	2,401,511,763	3,722,793,274	1,321,281,511
	1927	264	213,970	30	26,030	187,910	725,674	71,118,022	321,664,093	1,889,426,249	2,848,442,843	959,016,594
	1919	315	242,922	36	32,327	210,559	282,323	67,215,804	312,165,870	1,678,651,574	2,387,903,287	809,251,713
Motorcycles, bicycles, and parts	1929	21	5,117	3	722	4,392	11,124	1,754,837	6,263,876	11,281,327	23,894,805	12,613,478
	1927	29	4,598	4	697	3,897	10,753	1,542,212	5,441,502	10,174,092	21,454,149	11,280,057
	1919	51	12,200	16	1,298	10,886	14,420	2,200,358	12,763,235	25,985,915	53,105,895	27,119,980
Mucilage, paste, and other adhesives, except glue and rubber cement.	1929	84	698	47	237	414	2,564	712,860	546,926	3,668,707	6,638,387	2,969,680
	[4]1927	80	885	42	341	502	2,219	817,712	679,468	4,270,361	7,945,403	3,675,042
Musical instrument parts and materials: Piano and organ.	1929	67	3,621	21	510	3,090	11,099	1,565,421	3,597,210	4,247,919	11,883,098	7,635,179
	1927	85	6,150	31	720	5,399	14,185	2,238,419	6,593,645	9,657,350	22,244,731	12,587,381
	1919	113	11,886	38	839	11,009	15,716	2,042,424	10,467,137	16,693,140	36,789,627	20,096,487
Musical instruments and parts and materials, not elsewhere classified.	1929	106	3,983	52	755	3,176	6,060	1,751,258	4,680,720	3,825,294	14,274,078	10,448,784
	1927	99	4,796	78	700	4,018	5,356	1,553,504	5,737,005	4,640,553	17,891,948	13,251,395
	1919	240	4,957	233	621	4,113	3,219	1,032,172	3,984,656	4,444,729	12,506,334	8,061,605
Musical instruments: Organs	1929	62	2,756	47	320	2,389	4,740	1,014,866	3,603,631	3,090,676	11,322,736	8,232,060
	1927	63	3,138	33	335	2,770	4,332	919,796	4,363,731	4,494,449	15,438,623	10,944,174
	1919	68	2,285	56	288	1,941	3,245	523,672	1,978,518	2,217,097	5,973,268	3,756,171
Musical instruments: Pianos	1929	81	11,101	9	1,122	9,970	27,193	3,357,717	14,000,826	18,866,437	42,501,375	23,634,938
	1927	124	18,343	18	1,743	16,582	29,725	4,484,208	23,890,846	33,898,668	75,490,681	41,592,013
	1919	191	25,760	33	2,770	22,957	28,697	6,397,666	25,474,200	54,364,656	107,088,050	52,723,394
Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills.	1929	55	2,413	10	376	2,027	9,096	1,045,014	2,553,417	5,955,661	12,854,745	6,899,084
	1927	56	2,483	25	358	2,100	8,073	989,111	2,670,016	5,156,906	11,753,468	6,596,562
	1919	65	3,941	32	554	3,355	8,971	1,177,235	3,397,562	8,874,747	17,683,344	8,708,597
Needles, pins, hooks and eyes, and snap fasteners.	1929	43	7,023	9	772	6,242	6,694	2,021,477	6,565,732	6,187,822	22,030,950	15,843,128
	1927	45	6,338	10	722	5,606	7,250	1,865,555	6,098,477	5,922,844	20,325,250	14,402,406
	1919	92	10,389	39	1,056	9,294	8,423	2,506,250	8,809,781	10,227,199	29,304,995	19,077,796
Nets and seines	1929	19	1,048	7	138	903	1,155	314,614	768,871	3,789,356	6,164,403	2,375,047
	1927	21	1,000	11	120	869	1,162	412,786	776,326	3,347,719	5,401,173	2,053,454
	1919	19	943	5	79	859	959	209,205	561,282	3,648,206	5,114,414	1,466,208
Nonferrous-metal alloys and products, not including aluminum products.	1929	1,225	92,005	604	12,218	79,183	506,273	34,513,121	116,943,996	600,410,913	909,804,050	309,393,137
	1927	1,197	76,790	672	10,195	65,923	411,925	28,406,186	95,351,041	378,190,134	581,568,767	203,378,633
	1919	1,252	90,877	824	11,541	78,512	277,713	26,401,152	98,286,297	367,752,118	559,455,010	191,702,892
Oil, cake, and meal, cottonseed	1929	553	19,039	34	3,180	15,825	284,395	6,732,607	11,203,227	249,019,800	298,376,039	49,356,239
	1927	547	21,665	59	3,172	18,434	270,500	6,713,857	14,258,555	220,038,437	276,338,488	56,300,051
	1919	711	32,193	145	5,282	26,766	289,981	9,935,717	20,615,193	495,192,294	581,244,798	86,052,504
Oil, cake, and meal, linseed	1929	29	2,949	2	232	2,715	31,191	637,214	4,097,712	101,562,787	119,926,867	18,364,080
	1927	33	3,029	5	306	2,718	28,273	924,430	4,324,938	97,750,350	111,543,845	13,793,495
	1919	26	2,751	4	574	2,173	17,621	1,409,403	3,052,269	100,577,538	120,638,100	20,060,562
Oils, essential	1929	22	367	8	94	265	1,894	306,143	325,881	3,804,228	6,653,353	2,849,125
	1927	14	225	7	49	169	758	189,726	258,036	3,427,334	4,641,861	1,214,527
	1919	78	493	74	98	321	1,833	228,790	391,213	3,903,417	5,698,403	1,794,986
Oils, not elsewhere classified	[7]1929	75	1,742	16	492	1,234	14,670	1,422,981	1,950,432	36,895,506	45,159,825	8,264,319
Oilcloth	1929	9	1,669	-------	257	1,412	5,017	625,157	2,144,067	14,924,651	23,107,272	8,182,621
	1927	8	1,264	-------	192	1,072	3,565	511,558	1,745,575	11,818,624	17,642,442	5,823,818
	1919	11	1,319	4	185	1,130	4,251	403,877	1,200,877	11,140,723	15,436,875	4,296,152
Oleomargarine, not made in meat-packing establishments.	1929	41	2,120	4	582	1,534	6,670	1,390,073	2,263,700	30,890,075	46,521,823	15,631,748
	1927	36	2,071	3	566	1,502	8,746	1,281,700	2,258,464	27,145,141	39,282,364	12,137,223
	1919	42	3,868	1	1,016	2,851	9,435	1,983,566	3,184,118	66,042,792	79,815,580	13,772,788
Optical goods	1929	117	11,243	55	1,487	9,701	15,626	4,205,251	12,633,947	11,859,128	40,562,459	28,703,331
	[4]1927	96	9,508	38	1,874	7,596	12,401	3,991,845	9,560,725	8,865,025	32,737,210	23,892,185

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
			Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)						
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Paints and varnishes	1929	1,063	42,333	234	12,888	29,211	180,315	38,033,685	42,244,695	334,132,065	568,975,838	234,843,773
	1927	1,006	40,953	258	12,634	28,061	163,187	33,310,287	40,184,732	307,724,370	519,009,842	211,285,472
	1919	830	34,030	298	12,225	21,507	84,827	26,522,628	24,118,159	217,112,372	340,346,803	123,234,431
Paper	1929	685	115,096	32	11,744	103,320	2,968,431	37,623,897	140,398,374	574,607,978	967,186,026	392,578,048
	[4]1927	710	109,141	38	10,537	98,566	2,642,806	33,618,599	130,474,739	572,785,538	919,891,465	347,105,927
Pulp (wood and other fiber)	1929	198	26,625	11	1,885	24,729		5,844,301	32,679,407	148,752,729	238,928,279	90,175,550
	[4]1927	219	26,896	7	2,095	24,794		5,963,432	31,527,358	151,325,425	218,198,201	66,872,776
Paper goods, not elsewhere classified	1929	436	24,618	103	4,288	20,227	67,145	12,835,089	23,810,118	100,368,676	182,647,712	82,279,036
	1927	340	17,870	99	2,934	14,837	42,955	8,638,956	17,765,281	78,796,805	140,947,815	62,151,010
	1919	308	17,177	124	2,918	14,135	35,369	6,741,607	12,666,924	65,295,484	107,284,759	41,989,275
Patent or proprietary medicines and compounds	1929	1,522	26,120	462	9,224	16,434	44,538	25,560,155	18,780,980	94,769,833	318,906,928	224,137,095
	1927	1,282	24,167	633	8,463	15,071	34,082	21,362,430	16,667,425	84,640,850	278,242,929	193,602,079
	1919	2,467	31,970	1,648	12,878	17,444	25,409	24,736,212	13,748,813	88,819,417	212,162,255	123,342,838
Paving materials: Asphalt, tar, crushed slag, and mixtures	[4]1929	126	2,876	15	486	2,375	30,393	1,336,764	3,730,867	13,588,502	29,275,369	15,686,867
Peanuts, walnuts, and other nuts, processed or shelled	1929	169	8,546	49	564	7,933	16,193	1,137,676	3,079,740	39,529,486	49,608,894	10,079,408
	[4]1927	144	7,951	55	520	7,376	13,956	1,063,898	3,287,114	45,890,488	55,949,802	10,059,314
Pencils, lead (including mechanical)	1929	38	6,872	6	1,163	5,703	9,921	3,039,360	6,292,276	10,756,296	27,772,955	17,016,659
	1927	27	6,286	5	980	5,301	9,832	2,959,828	5,942,783	9,931,493	24,499,839	14,568,346
	1919	12	6,713	-------	743	5,970	8,099	1,684,427	5,299,050	9,073,563	24,134,159	15,060,596
Pens, fountain and stylographic; pen points, gold, steel, and brass	1929	76	5,402	37	765	4,600	4,235	1,801,916	5,304,142	11,459,411	34,211,384	22,751,973
	1927	68	4,838	58	749	4,031	3,721	1,501,232	4,734,561	10,374,789	25,645,189	15,270,400
	1919	75	5,287	54	803	4,430	1,942	1,920,355	4,177,191	7,172,212	19,477,809	12,305,597
Perfumes, cosmetics, and other toilet preparations	1929	815	19,495	266	6,120	13,109	12,150	16,107,298	13,762,961	58,298,879	193,440,550	135,141,671
	1927	705	16,250	375	5,412	10,463	10,431	12,593,978	10,965,085	52,765,346	161,245,659	108,480,313
	1919	569	9,446	373	3,668	5,405	2,196	6,430,011	3,983,016	26,147,026	59,613,391	33,466,366
Petroleum refining	1929	390	94,405	12	13,797	80,596	789,849	33,577,874	131,176,993	2,031,341,408	2,639,665,001	608,323,593
	1927	354	83,305	12	12,059	71,234	552,651	30,900,277	113,716,705	1,752,997,043	2,142,648,503	389,651,460
	1919	320	73,473	69	14,525	58,889	238,906	26,619,024	89,749,637	1,247,908,355	1,632,532,766	384,624,411
Phonographs	1929	59	16,698	4	2,278	14,416	38,483	4,447,058	17,825,855	37,323,137	96,849,048	59,525,911
	1927	60	16,358	14	2,128	14,216	48,507	4,686,543	20,176,208	37,467,711	95,296,137	57,828,426
	1919	166	33,826	43	5,062	28,721	40,163	8,687,568	33,963,148	59,740,205	158,547,870	98,807,665
Photo-engraving, not done in printing establishments	1929	654	16,851	232	4,266	12,353	9,349	14,576,905	31,831,176	11,003,121	77,382,259	66,379,138
	1927	611	15,014	288	3,693	11,033	9,366	11,939,351	28,381,480	10,790,128	69,207,376	58,417,248
	1919	422	9,198	264	2,165	6,769	3,800	4,862,387	10,423,541	5,038,382	29,389,386	24,351,004
Photographic apparatus and materials	1929	115	16,360	58	3,335	12,967	31,904	7,863,176	20,507,499	30,392,531	102,827,386	72,434,855
	1927	122	15,266	62	3,084	12,120	24,838	6,855,724	18,310,992	29,020,235	90,827,737	61,807,502
	1919	187	16,393	93	2,835	13,465	24,610	4,578,228	14,900,237	33,806,708	88,393,022	54,586,314
Pipes (tobacco)	1929	24	1,948	11	257	1,680	2,276	618,778	1,961,020	1,749,222	5,557,982	3,808,760
	1927	23	2,034	17	210	1,807	1,928	485,706	2,278,537	2,722,706	7,273,806	4,551,100
	1919	56	2,902	54	309	2,539	2,001	993,924	2,555,291	3,497,414	11,553,777	8,056,363
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	1929	4,849	109,864	2,763	16,967	90,134	677,998	46,030,495	116,422,664	296,008,499	553,583,498	257,574,999
	1927	4,561	115,681	2,360	16,732	96,589	630,674	42,460,620	126,139,713	321,443,318	581,633,737	260,190,419
	1919	5,309	106,481	4,430	15,095	86,956	417,070	28,536,340	91,976,526	299,265,652	500,438,258	201,172,606
Plated ware	1929	96	12,683	30	1,925	10,728	28,899	5,184,039	14,941,552	16,750,985	55,429,959	38,678,974
	1927	94	13,593	31	1,810	11,752	27,712	4,724,969	16,141,501	20,212,341	56,719,982	36,507,641
	1919	68	11,459	24	1,943	9,492	14,212	3,436,530	10,913,091	17,766,536	41,634,585	23,868,049
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	1929	255	31,353	50	3,343	27,960	100,821	9,300,680	37,066,997	49,032,599	129,673,784	80,641,185
	[4]1927	231	33,125	111	3,769	29,245	90,293	9,360,875	40,212,198	55,633,327	145,262,311	89,628,984
Pocketbooks, purses, and cardcases	1929	290	12,052	181	1,441	10,430	1,828	4,651,566	15,229,422	35,351,605	68,627,515	33,275,910
	1927	257	10,003	205	1,228	8,570	1,725	3,170,059	13,169,509	29,618,524	57,344,655	27,726,131
	1919	139	3,497	168	424	2,905	431	1,125,264	3,061,903	7,557,155	14,549,659	6,992,504
Pottery, including porcelain ware	1929	313	38,588	95	3,084	35,409	61,868	8,927,286	43,655,980	27,007,364	110,622,453	83,615,089
	1927	316	39,749	120	2,962	36,667	54,879	8,012,390	45,149,818	33,580,795	110,597,338	77,016,543
	1919	340	30,692	183	2,575	27,934	29,040	6,003,432	29,820,278	20,794,076	74,919,186	54,125,110
Poultry killing, dressing, and packing, wholesale	[4]1929	485	9,361	207	1,385	7,769	13,500	2,584,579	7,284,558	106,865,506	130,161,230	23,295,724
Printing and publishing, book and job	1929	12,712	204,901	7,859	46,393	150,649	211,448	125,134,513	251,576,692	266,749,365	1,006,656,768	739,907,403
	1927	11,466	195,826	9,137	44,342	142,347	194,718	111,106,906	241,810,478	253,056,059	920,251,123	667,195,064
	1919	13,108	171,701	12,196	36,097	123,408	131,544	65,880,364	141,850,722	211,384,064	599,191,610	387,807,546
Printing and publishing, music	1929	124	2,211	31	1,370	810	956	3,839,366	1,314,401	1,542,042	15,240,268	13,698,226
	1927	119	2,579	67	1,518	994	1,343	3,530,608	1,677,680	1,658,307	15,881,634	14,223,267
	1919	160	2,622	107	1,616	899	634	3,047,240	926,988	2,123,781	14,592,177	12,468,396
Printing and publishing, newspaper and periodical	1929	11,524	277,672	5,274	142,738	129,660	332,184	318,201,762	253,399,075	391,737,705	1,738,298,892	1,346,561,187
	1927	10,973	257,770	7,285	131,086	119,399	286,234	279,224,917	231,150,683	409,813,889	1,585,075,512	1,175,261,632
	1919	17,362	228,630	14,570	93,679	120,381	194,074	143,850,528	144,348,173	300,385,187	924,152,878	623,767,691
Printing materials, not including type or ink	1929	84	1,317	18	295	1,004	2,709	973,729	1,649,276	2,184,544	8,579,006	6,394,462
	1927	70	1,181	27	272	882	2,339	867,738	1,402,256	2,034,348	7,022,343	4,987,995
	1919	82	1,035	41	271	723	1,351	678,493	799,402	1,619,718	4,918,799	3,299,081
Pulp goods	1929	45	3,882	7	317	3,558	14,190	1,109,205	4,591,688	12,067,760	27,219,892	15,152,132
	[4]1927	44	3,602	4	602	2,996	13,839	1,787,490	3,782,927	11,375,407	23,950,127	12,574,720

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [3]	Value added by manufacture [3]
			Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)						
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Pumps (hand and power) and pumping equipment.	1929	322	30,128	101	6,921	23,106	82,403	16,665,750	34,920,261	66,802,372	164,009,397	97,207,025
	1927	278	24,609	129	5,809	18,671	64,763	14,222,792	27,118,924	52,765,023	130,591,191	77,826,168
	1919	239	20,906	114	4,720	16,072	32,441	9,096,225	19,731,647	36,069,781	85,401,940	49,332,159
Rayon and allied products	1929	29	41,384	-------	2,278	39,106	195,844	5,768,565	44,697,129	33,334,753	149,546,107	116,211,354
	[4]1927	19	27,696	-------	1,356	26,341	122,406	3,993,947	28,649,441	25,747,792	109,888,336	84,140,544
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment.	1929	188	11,535	78	1,673	9,784	28,493	4,662,178	13,181,656	26,451,148	60,483,314	34,032,166
	1927	165	11,259	74	1,634	9,551	24,216	4,518,892	12,617,121	25,094,718	58,163,054	33,068,336
	1919	122	6,994	72	1,136	5,786	13,029	2,551,322	5,809,351	11,948,972	26,048,808	14,099,836
Refrigerators, mechanical	1929	34	19,380	4	2,493	16,883	44,953	7,024,046	26,196,076	72,413,047	161,565,676	89,152,629
	[4]1927	22	13,371	-------	2,086	11,285	32,551	6,106,278	17,712,006	42,651,262	96,513,649	53,862,387
Regalia, badges, and emblems	1929	77	2,161	43	361	1,757	1,105	902,513	1,824,590	3,227,236	7,927,214	4,699,978
	1927	76	2,191	42	474	1,675	1,015	1,001,950	1,760,438	3,018,948	7,691,253	4,672,305
	1919	115	2,919	90	606	2,223	1,321	951,095	1,800,383	4,287,055	9,395,470	5,108,415
Rice cleaning and polishing	1929	60	2,141	25	527	1,589	22,901	1,209,394	1,448,594	38,443,529	48,793,777	10,350,248
	1927	60	2,165	19	622	1,524	23,012	1,205,487	1,546,315	46,480,679	54,129,646	7,648,967
	1919	86	3,249	40	1,096	2,113	25,340	1,508,940	1,932,196	76,633,816	90,038,412	13,404,596
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint.	1929	102	7,426	15	1,384	6,027	33,791	3,504,548	8,951,537	61,391,590	103,506,090	42,114,500
	1927	100	9,020	23	1,742	7,255	41,740	4,464,231	10,712,626	67,327,735	123,210,305	55,882,570
	1919	178	11,805	79	2,855	8,871	39,247	5,414,650	10,344,043	52,587,777	85,895,359	33,307,582
Rubber goods other than tires, inner tubes, and boots and shoes.	1929	412	46,565	105	6,234	40,226	295,452	16,509,835	50,278,617	114,674,244	244,745,737	130,071,493
	[4]1927	385	43,009	101	6,015	36,893	270,539	15,047,926	45,930,934	117,776,651	230,781,250	113,004,599
Rubber tires and inner tubes	1929	91	96,249	5	12,981	83,263	463,257	31,097,602	127,081,975	429,606,971	770,176,890	340,569,919
	[4]1927	109	95,422	4	17,162	78,256	451,724	40,430,162	120,063,854	499,220,642	869,688,063	370,467,421
Saddlery and harness	1929	260	4,243	216	688	3,339	4,698	1,473,907	3,713,728	13,834,124	23,338,555	9,504,431
	1927	264	5,111	211	877	4,023	4,908	1,659,780	4,541,398	16,526,180	27,356,244	10,830,064
	1919	1,823	14,863	1,946	2,506	10,411	8,205	4,389,685	10,849,066	52,442,907	83,713,010	31,270,103
Safes and vaults	1929	27	3,789	7	749	3,033	10,806	2,003,041	4,438,698	6,392,461	19,362,192	12,969,731
	[4]1927	25	3,945	9	550	3,386	9,688	1,301,864	4,494,497	7,226,295	18,439,550	11,213,255
Salt	1929	58	6,216	2	756	5,458	57,711	2,044,673	6,735,484	14,187,797	37,868,697	23,680,900
	1927	58	6,823	8	854	5,961	55,928	2,352,424	7,117,454	14,664,126	34,329,236	19,665,110
	1919	86	7,682	40	1,147	6,495	42,051	2,556,086	7,353,420	16,027,791	37,513,821	21,486,030
Sand-lime brick	1929	40	707	4	137	566	7,346	370,381	776,202	944,534	2,970,923	2,026,389
	1927	45	941	8	143	790	8,598	373,340	1,051,495	1,157,965	3,616,456	2,458,491
	1919	32	600	3	93	504	4,358	135,773	501,854	575,402	1,663,052	1,087,650
Sandpaper, emery paper, and other abrasive paper and cloth.	1929	11	1,817	1	588	1,228	6,927	1,613,018	1,739,544	8,375,277	17,218,590	8,843,313
	1927	10	1,331	1	413	917	2,834	1,127,893	1,228,420	5,470,629	12,232,064	6,761,435
	1919	12	1,102	3	328	771	3,977	744,282	840,766	5,060,561	9,303,734	4,243,173
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments.	1929	681	7,794	678	1,219	5,897	25,755	3,637,162	8,850,172	81,371,687	108,246,194	26,874,507
	1927	505	6,568	493	1,108	4,967	19,980	2,959,017	7,463,677	60,215,599	81,548,299	21,332,700
	1919	633	4,994	704	819	3,471	12,671	1,463,437	4,679,118	43,940,356	56,610,092	12,669,736
Saws	1929	81	5,117	40	940	4,137	11,894	2,274,313	5,727,416	6,884,331	22,614,968	15,730,627
	1927	77	5,179	45	952	4,182	14,526	2,118,981	5,753,856	7,674,394	22,627,990	14,953,596
	1919	112	6,704	83	1,111	5,510	15,046	2,390,725	6,380,807	11,792,224	31,460,557	19,668,333
Scales and balances	1929	59	5,214	31	1,065	4,118	9,738	2,849,331	5,995,475	7,438,190	30,381,424	22,943,234
	1927	60	5,020	32	1,082	3,906	8,766	2,430,583	5,460,742	7,453,927	24,655,442	17,201,515
	1919	79	6,821	38	1,351	5,432	7,441	2,265,970	6,793,682	6,993,682	20,641,038	13,647,356
Screw-machine products and wood screws.	1929	273	22,454	106	2,467	19,881	64,840	8,065,349	28,986,604	39,462,568	105,974,662	66,512,094
	1927	218	15,575	82	1,803	13,690	43,468	4,824,921	18,055,095	25,910,223	60,024,261	34,110,038
	1919	154	17,060	71	1,838	15,151	31,281	3,887,889	16,969,393	20,535,431	65,475,042	34,939,611
Sewing machines and attachments	1929	39	12,189	19	1,703	10,467	29,659	3,610,859	14,976,182	16,458,425	45,094,600	28,636,175
	[4]1927	35	11,776	12	1,767	9,997	31,286	3,692,875	13,748,151	14,072,579	39,723,822	25,651,243
Ship and boat building, steel and wooden, including repair work.	1929	624	61,369	345	5,935	55,089	337,455	15,717,446	88,274,153	85,848,690	231,300,165	145,451,475
	1927	559	60,831	337	5,480	55,014	314,474	14,606,996	87,681,444	78,626,391	211,127,067	132,500,676
	1919	1,075	413,236	816	24,974	387,446	553,271	65,114,494	597,446,648	710,522,676	1,622,361,261	911,838,585
Shirts	1929	863	63,854	530	3,494	59,830	17,040	8,149,844	43,428,224	116,678,496	228,321,616	111,643,120
	1927	907	62,350	611	4,523	57,216	14,916	9,695,000	42,997,827	129,743,737	241,649,939	111,906,202
	1919	896	45,274	949	4,722	39,603	14,890	9,820,355	25,833,855	127,087,745	205,327,133	78,239,388
Shortenings (not including lard) and vegetable cooking oils.	1929	40	3,487	-------	775	2,712	36,647	1,719,996	3,003,946	139,030,964	154,553,197	15,522,233
	[4]1927	33	3,190	4	531	2,655	33,462	1,288,472	2,624,371	137,078,600	148,468,076	11,389,476
Signs and advertising novelties	1929	1,239	25,716	597	5,119	20,000	19,627	13,126,635	27,900,605	35,701,412	118,044,157	82,342,745
	1927	813	22,071	601	4,563	16,907	15,325	10,411,959	24,044,389	30,392,294	98,481,584	67,585,730
	1919	779	14,332	624	3,776	10,432	7,714	6,631,470	9,715,216	16,071,924	43,343,093	27,271,169
Silk and rayon manufactures	1929	1,491	139,039	721	7,851	130,467	220,225	23,093,437	137,547,146	412,181,260	731,200,231	319,018,971
	1927	1,648	136,978	920	8,415	127,643	221,249	21,920,553	140,053,588	445,390,676	750,123,705	304,733,029
	1919	1,369	136,775	1,011	8,982	126,782	173,748	26,370,962	108,226,330	388,469,022	688,469,523	300,000,501
Silversmithing and silverware	1929	83	6,091	47	1,037	5,007	7,325	2,516,311	7,636,413	10,134,708	30,452,366	20,317,658
	1927	84	6,068	72	1,029	4,967	7,499	2,315,082	7,803,183	11,165,068	30,704,218	19,539,150
	1919	99	7,599	58	1,088	6,453	6,843	2,329,514	7,359,409	13,060,929	29,126,133	16,065,204

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Smelting and refining, copper	1929	26	16,537	-------	1,993	14,544	412,244	5,567,743	23,951,955	920,351,441	994,783,862	74,432,421
	1927	26	15,690	-------	1,766	13,924	323,799	3,943,652	20,581,865	527,763,711	609,299,017	81,535,306
	1919	34	19,654	-------	2,309	17,345	321,610	5,896,345	25,723,371	584,410,173	651,101,591	66,691,418
Smelting and refining, lead	1929	19	5,690	-------	871	4,819	59,936	2,206,453	7,577,094	203,913,730	232,115,009	28,201,279
	1927	18	6,168	-------	770	5,398	48,295	1,715,941	7,689,680	202,359,134	225,137,872	22,778,738
	1919	25	7,354	1	915	6,438	49,668	2,101,786	9,179,615	179,373,646	196,794,519	17,420,873
Smelting and refining, metals other than gold, silver, or platinum, not from the ore.	1929	106	4,991	36	821	4,134	18,174	3,223,763	5,574,322	83,444,918	105,882,655	22,437,737
	1927	102	3,517	47	694	2,776	11,989	2,244,024	4,280,291	68,894,494	80,770,546	11,876,052
	1919	81	2,793	53	573	2,167	7,921	1,571,130	3,093,140	40,675,880	50,246,088	9,570,208
Smelting and refining, zinc	1929	30	12,701	-------	1,083	11,618	123,901	3,043,505	17,710,270	74,760,088	118,901,070	44,140,982
	1927	25	12,058	-------	870	11,188	93,067	2,463,481	16,528,264	76,619,331	108,297,975	31,678,644
	1919	39	14,933	-------	1,107	13,796	73,604	2,461,469	17,783,278	70,014,728	104,122,938	34,108,210
Soap	1929	282	19,137	86	4,688	14,363	65,856	11,503,662	18,994,656	180,352,884	310,191,530	129,838,646
	1927	256	17,681	90	4,159	13,432	62,025	9,766,393	19,715,931	172,244,130	287,059,935	114,815,805
	1919	348	28,919	183	8,300	20,436	33,700	14,171,851	21,228,063	238,518,838	316,740,115	78,221,277
Soda-water apparatus	1929	54	3,624	21	839	2,764	5,271	2,186,822	3,921,538	10,489,871	24,509,783	14,019,912
	1927	48	3,518	13	667	2,838	5,042	1,677,576	4,222,944	10,390,971	23,929,068	13,538,097
	1919	66	3,448	43	806	2,599	4,131	1,380,385	3,232,398	6,626,868	15,185,370	8,558,502
Sporting and athletic goods, not including firearms or ammunition.	1929	242	12,739	111	1,835	10,793	18,039	4,530,710	13,135,484	24,482,236	58,288,728	33,806,492
	1927	188	11,332	90	1,553	9,689	13,484	3,516,550	11,595,480	19,393,661	44,942,778	25,549,117
	1919	188	7,490	143	935	6,412	6,780	1,605,097	5,752,963	11,969,388	23,839,991	11,870,603
Springs, steel, except wire, not made in plants operated in connection with rolling mills.	1929	86	6,675	12	821	5,842	24,318	2,654,594	9,313,927	25,372,478	46,672,319	21,299,841
	1927	94	6,711	20	938	5,753	22,263	2,903,528	8,912,961	24,598,568	43,820,633	19,222,065
	1919	112	10,401	55	1,365	8,981	16,560	3,544,680	11,157,874	28,019,180	51,479,535	23,460,355
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering.	1929	582	46,052	164	5,888	40,000	98,184	17,625,920	50,091,700	87,639,495	204,308,134	116,666,639
	1927	476	35,615	200	4,562	30,853	73,619	12,094,326	38,172,046	68,880,269	150,936,053	82,055,784
	1919	433	40,700	218	5,245	35,237	52,767	10,501,932	33,902,239	66,628,109	147,069,783	80,441,674
Stationery goods, not elsewhere classified.	1929	203	13,428	63	2,287	11,078	11,523	6,229,513	12,429,726	32,177,887	74,062,047	41,884,160
	1927	194	11,096	65	2,044	8,987	8,891	4,453,213	9,791,788	27,016,348	56,987,490	29,971,142
	1919	223	14,535	130	3,144	11,261	8,342	6,582,175	9,577,867	28,160,239	58,363,244	30,203,005
Statuary and art goods, factory product.	1929	171	2,681	176	393	2,112	1,539	1,196,213	4,235,907	2,044,955	10,045,159	8,000,204
	1927	136	2,470	124	318	2,028	1,137	1,130,180	4,403,742	2,414,919	10,187,247	7,772,328
	1919	195	1,906	233	207	1,466	682	354,837	1,716,067	1,378,540	5,019,521	3,640,981
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified.	1929	171	8,713	55	1,392	7,266	30,881	4,132,547	9,660,414	21,596,489	45,433,135	23,836,646
	1927	159	7,568	89	1,533	5,946	29,810	4,257,064	7,964,603	19,794,205	43,044,501	23,250,296
	1919	169	7,761	72	1,542	6,147	26,755	3,262,877	7,103,275	22,724,561	40,524,779	17,800,218
Steam fittings and steam and hot-water heating apparatus.	1929	240	45,945	25	6,299	39,621	137,339	16,527,334	58,974,874	72,708,268	228,310,254	155,601,986
	1927	232	49,599	38	6,668	42,893	132,723	17,012,494	64,851,149	76,835,267	225,158,390	148,323,123
	1919	261	43,864	73	7,105	36,686	67,494	12,461,708	45,742,525	72,016,393	160,285,488	88,269,095
Steel barrels, kegs, and drums	1929	53	4,674	8	556	4,110	15,289	1,896,232	5,769,097	21,946,559	37,825,027	15,878,468
	1927	39	3,353	9	491	2,853	11,229	1,494,724	3,785,629	14,735,518	24,104,669	9,369,151
	1919	33	3,967	11	634	3,322	10,554	1,463,977	4,435,444	15,151,210	24,942,650	9,791,440
Stereotyping and electrotyping, not done in printing establishments.	1929	230	7,941	68	1,386	6,487	21,347	4,852,832	13,770,676	6,546,881	35,617,297	29,070,416
	1927	197	5,722	80	1,140	4,502	16,888	3,430,110	10,272,775	4,676,853	25,549,214	20,872,361
	1919	171	4,623	85	874	3,664	9,498	2,020,906	5,002,545	4,234,479	15,919,014	11,684,535
Stoves and ranges (other than electric) and warm-air furnaces.	1929	609	54,813	166	8,031	46,616	113,100	21,946,123	65,146,509	100,747,049	271,747,009	170,999,960
	1927	564	53,459	171	8,108	45,180	100,009	21,131,508	64,327,405	93,095,971	258,285,829	165,189,858
	1919	588	51,931	238	8,260	43,433	60,698	17,597,247	53,599,963	79,275,286	201,509,992	122,234,706
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills.	1929	1,482	69,337	732	13,658	54,947	266,175	39,081,519	87,785,606	244,696,254	477,036,827	232,340,573
	1927	1,284	65,902	778	12,732	52,392	251,670	35,659,878	84,578,048	243,446,072	440,376,360	196,930,288
	1919	1,146	56,205	721	11,522	43,962	165,179	23,110,282	59,920,132	168,800,715	294,962,419	126,161,704
Sugar, beet	1929	82	8,943	-------	1,447	7,496	146,393	2,798,026	10,020,743	70,960,908	108,552,581	37,591,673
	1927	79	8,872	-------	1,470	7,402	142,023	3,014,775	9,709,969	79,016,770	104,926,584	25,909,814
	1919	85	14,190	1	2,408	11,781	127,394	4,427,956	15,908,118	87,029,144	149,155,892	62,126,748
Sugar, cane, not including products of refineries.	1929	70	2,745	22	494	2,319	66,779	479,516	1,642,463	12,222,558	18,325,792	6,103,234
	1927	53	1,225	21	233	971	45,705	292,710	639,154	5,830,411	8,009,120	2,178,709
	1919	202	7,045	165	779	6,101	101,859	1,665,448	4,009,369	44,143,416	57,741,320	13,597,904
Sugar refining, cane	1929	21	15,659	4	1,743	13,912	98,637	4,559,528	17,850,493	438,399,151	507,389,262	68,990,111
	1927	21	15,742	-------	1,746	13,996	86,979	4,645,827	17,707,237	551,594,278	597,445,632	45,851,354
	1919	20	20,921	6	2,713	18,202	52,541	5,442,187	22,710,464	662,143,981	730,986,706	68,842,725
Surgical and orthopedic appliances, including artificial limbs.	1929	363	10,372	214	2,248	7,910	13,407	5,722,067	8,921,668	36,004,844	71,607,119	35,602,275
	1927	335	9,543	216	2,017	7,310	9,662	4,540,779	8,371,278	30,763,598	60,623,497	29,859,899
	1919	445	10,073	373	2,639	7,061	13,239	4,637,980	6,878,668	22,988,068	46,805,266	23,817,198
Suspenders, garters, and other elastic woven goods, made from purchased webbing.	1929	91	4,955	75	539	4,341	1,180	1,439,296	3,971,030	17,905,748	30,473,169	12,567,421
	1927	91	4,915	88	766	4,061	983	2,207,076	3,529,147	16,259,683	26,985,376	10,725,693
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.	1929	126	3,162	34	709	2,419	22,575	2,805,779	3,113,617	25,335,629	39,836,035	14,500,406
	1927	122	3,249	28	807	2,414	29,172	2,517,609	2,971,477	23,073,925	35,677,033	12,603,108
	1919	144	5,205	59	804	4,342	34,295	2,320,914	4,734,614	34,592,698	53,744,283	19,151,585

See footnotes at end of table

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [3]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Textile machinery and parts	1929	376	31,494	231	4,244	27,019	66,539	12,660,745	37,836,406	36,556,299	122,438,514	85,882,215
	1927	367	30,438	218	4,066	26,154	64,532	10,917,207	36,481,196	36,180,689	116,921,130	80,740,441
	1919	432	36,126	354	3,949	31,823	41,744	8,098,770	36,528,729	45,636,628	122,089,264	76,452,636
Theatrical scenery and stage equipment.	1929	55	757	30	180	547	618	727,710	992,133	2,098,498	5,507,827	3,409,329
	1927	39	752	26	165	561	998	533,817	1,379,971	2,330,377	5,745,472	3,415,095
	1919	17	230	6	75	149	104	138,021	237,603	504,635	1,067,033	562,378
Tin and other foils, not including gold foil.	1929	7	1,998	-------	288	1,710	18,642	1,177,614	1,856,371	13,548,399	20,954,849	7,406,450
	[4]1927	10	1,879	-------	221	1,658	18,770	580,716	2,083,578	15,350,016	20,951,679	5,601,663
Tin cans and other tinware, not elsewhere classified.	1929	232	35,312	58	3,757	31,497	77,332	8,288,015	38,173,246	194,986,803	296,901,426	101,914,623
	1927	236	33,118	62	3,335	29,721	64,005	7,399,133	35,001,822	169,421,340	253,478,691	84,057,351
	1919	301	38,958	177	4,395	34,386	30,234	8,203,858	34,493,399	165,170,736	233,964,000	68,793,264
Tobacco: Chewing and smoking, and snuff.	1929	152	11,981	117	1,053	10,811	15,467	3,281,688	8,955,451	72,494,329	179,332,951	106,838,622
	1927	159	14,548	109	1,314	13,125	16,566	3,520,768	10,661,420	85,310,438	198,244,677	112,934,239
	1919	365	22,468	325	3,819	18,324	18,893	6,918,491	12,674,736	130,270,388	239,270,718	109,000,330
Tools, not including edge tools, machine tools, files, or saws.	1929	534	23,102	279	3,518	19,305	65,965	9,744,359	25,808,289	32,110,507	99,462,032	67,351,525
	[4]1927	405	19,504	227	2,830	16,447	57,024	6,842,965	20,941,243	28,057,884	76,607,227	48,549,343
	1927	657	30,246	370	4,644	25,232	85,963	11,641,300	34,464,964	37,056,684	117,430,624	80,373,940
	1919	1,125	44,142	856	7,701	35,585	67,730	12,608,796	43,836,069	45,796,967	144,201,668	98,404,701
Toys (not including children's wheel goods or sleds), games, and playground equipment.	1929	476	19,433	283	2,490	16,660	25,642	6,775,783	17,660,673	29,981,527	74,828,981	44,847,454
	1927	397	17,020	222	2,060	14,738	19,028	5,307,402	15,543,383	25,805,418	63,955,706	38,150,288
	1919	541	16,483	469	1,813	14,201	14,423	3,562,480	11,847,277	19,841,498	45,656,803	25,815,305
Trimmings (not made in textile mills) and stamped art goods for embroidering.	[4]1929	639	9,826	466	1,426	7,934	3,068	3,786,252	9,761,881	20,783,226	45,179,933	24,396,707
Trunks, suitcases, and bags	1929	467	13,383	314	1,710	11,359	10,220	4,925,633	13,756,761	31,693,935	63,968,929	32,274,994
	1927	495	12,512	415	1,752	10,345	9,001	4,506,702	13,084,687	29,123,235	59,958,681	30,830,446
	1919	597	14,216	601	2,145	11,470	7,696	6,271,777	12,463,767	33,222,432	63,932,266	30,709,834
Turpentine and rosin	1929	1,183	43,224	1,484	1,583	40,157	1,995	1,941,210	15,036,175	10,293,954	36,281,632	25,987,678
	1927	1,149	40,876	843	2,120	37,913	3,211	2,615,681	16,953,054	12,173,394	39,902,971	27,729,577
	1919	1,191	31,093	1,460	1,566	28,067	2,276	2,242,856	16,972,881	13,929,888	53,051,294	39,121,406
Type founding	1929	19	540	12	61	467	1,218	160,562	556,051	648,114	2,603,619	1,955,505
	1927	19	611	11	75	525	1,230	180,426	658,381	749,085	2,683,704	1,934,619
	1919	23	870	11	49	810	845	77,151	867,517	943,245	2,089,757	1,146,512
Typewriters and parts	1929	26	18,410	1	1,464	16,945	23,383	3,336,503	22,319,327	7,248,601	61,857,615	54,609,014
	[4]1927	26	17,224	2	1,619	15,603	14,653	2,939,184	19,397,911	9,936,079	55,318,864	45,382,785
Umbrellas, parasols, and canes	1929	141	3,461	127	479	2,855	3,069	1,191,701	2,788,410	10,907,373	17,994,376	7,087,003
	1927	164	4,086	164	614	3,308	2,411	1,305,419	3,411,261	14,020,984	23,156,400	9,135,416
	1919	198	4,173	232	573	3,368	3,357	1,635,828	3,139,662	15,632,989	25,308,826	9,675,837
Upholstering materials, not elsewhere classified.	1929	53	1,624	31	183	1,410	3,915	612,789	1,317,371	7,046,334	11,234,192	4,187,858
	1927	39	1,273	22	171	1,080	4,482	541,076	1,162,456	6,556,109	9,672,806	3,116,697
	1919	51	1,778	41	180	1,557	4,338	460,100	1,379,633	4,794,722	8,694,295	3,899,573
Vinegar and cider	1929	172	1,367	105	283	979	8,674	629,942	1,021,581	6,016,029	10,450,332	4,434,303
	1927	158	1,550	112	315	1,123	7,562	685,625	1,235,996	5,858,241	10,755,246	4,897,005
	1919	720	3,333	724	628	1,981	17,943	1,168,017	2,047,469	15,558,525	24,722,610	9,164,085
Wall paper	1929	56	5,421	1	715	4,705	12,740	2,550,855	5,731,932	13,480,205	30,007,649	16,527,444
	1927	53	5,638	1	826	4,811	13,343	2,287,981	5,881,451	14,612,415	30,059,153	15,446,738
	1919	48	5,098	3	833	4,262	8,123	1,767,335	3,882,396	13,152,503	23,047,901	9,895,398
Wall plaster, wall board, insulating board, and floor composition	1929	236	8,994	43	1,489	7,462	142,354	3,640,261	10,180,391	28,312,628	70,662,746	42,350,118
	[4]1927	221	11,899	36	1,849	10,014	116,230	4,423,677	14,411,777	31,998,385	83,856,008	51,857,623
Washing machines, wringers, driers, and ironing machines, for household use.	1929	65	9,911	9	1,713	8,189	26,732	4,722,829	12,071,916	40,707,373	82,329,924	41,622,551
	1927	75	9,453	29	1,635	7,789	20,697	3,756,639	10,950,046	34,528,335	70,244,407	35,716,072
	1919	105	7,555	40	1,559	5,956	8,816	2,752,083	6,431,378	23,388,925	40,771,285	17,382,360
Waste	1929	136	4,581	79	597	3,905	18,592	2,084,732	3,316,344	25,633,015	36,013,705	10,380,690
	1927	118	4,077	86	497	3,494	14,529	1,599,340	2,852,971	23,049,393	33,377,276	10,327,883
	1919	98	3,331	65	456	2,810	11,837	1,279,684	2,224,872	22,719,612	30,683,825	7,964,213
Watch and clock materials and parts, except watchcases.	1929	17	361	11	39	311	197	92,276	287,079	256,984	930,837	673,853
	1927	17	495	12	68	415	210	110,423	497,345	315,486	1,309,303	993,817
	1919	27	678	24	72	582	252	115,001	412,820	549,521	1,341,697	792,176
Watchcases	1929	40	3,944	23	517	3,404	5,581	1,325,805	4,626,111	4,631,225	13,491,045	8,859,820
	1927	40	3,966	22	584	3,360	4,121	1,472,544	4,326,393	5,310,674	13,724,703	8,414,029
	1919	33	4,887	15	672	3,900	4,275	1,316,735	4,000,727	8,205,754	19,618,773	11,413,019
Watches and watch movements	1929	8	11,635	-------	897	10,738	10,146	1,752,497	12,981,115	10,455,921	34,370,399	23,914,478
	1927	11	12,985	3	790	12,192	9,357	1,519,979	15,090,229	5,871,384	32,278,362	26,406,978
	1919	18	16,852	3	961	15,888	7,202	1,697,030	16,598,896	6,392,562	32,044,299	25,651,737
Whips	1929	8	70	6	7	57	82	7,520	47,714	80,303	224,219	143,916
	1927	7	104	6	8	90	252	9,821	89,365	175,756	310,303	134,547
	1919	26	912	26	169	717	853	431,518	582,230	1,096,642	2,986,285	1,889,643
Windmills and windmill towers	1929	15	1,845	3	288	1,554	4,491	834,349	2,144,582	3,571,539	8,640,265	5,068,729
	1927	16	1,641	5	281	1,355	3,608	689,842	1,881,520	3,233,593	7,514,149	4,280,556
	1919	31	2,383	10	441	1,932	4,686	794,380	2,145,301	4,960,426	9,932,585	4,972,156

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [3]	Value added by manufacture [4]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Window and door screens and weather strip.	1929	280	5,055	192	829	4,034	14,034	2,416,318	4,957,661	10,512,746	24,451,700	13,938,954
	1927	214	4,573	134	778	3,661	11,520	1,994,342	4,805,657	9,303,982	22,643,361	13,339,379
	1919	214	2,782	197	406	2,179	7,515	825,863	2,046,768	4,897,389	10,932,857	6,035,468
Window shades and fixtures	1929	482	5,981	295	978	4,708	8,389	2,404,744	5,623,588	19,785,350	36,964,694	17,179,344
	1927	386	6,075	358	984	4,733	8,679	2,380,879	5,855,781	21,065,474	37,081,937	16,016,463
	1919	287	5,494	258	825	4,411	8,946	1,773,867	3,669,286	18,249,540	29,190,649	10,941,109
Wire, drawn from purchased bars or rods.	1929	81	25,024	3	2,554	22,467	150,620	6,979,078	35,110,335	126,182,429	213,997,410	87,814,981
	1927	73	22,222	9	2,347	19,866	152,574	6,201,089	30,038,299	128,092,414	190,709,790	62,617,376
	1919	66	22,236	13	2,482	19,741	119,301	5,454,406	29,289,667	102,813,591	162,151,236	59,337,645
Wirework, not elsewhere classified	1929	547	25,903	294	3,221	2,388	48,864	9,588,653	27,912,231	68,144,047	146,805,049	78,661,002
	1927	512	25,448	274	3,477	21,697	45,858	9,436,300	26,439,144	63,093,221	128,535,783	65,442,562
	1919	558	18,340	457	2,659	15,224	29,036	6,078,557	15,505,992	50,754,070	90,549,245	39,795,175
Wood distillation and charcoal manufacture.	1929	91	5,223	9	566	4,648	25,509	1,479,926	5,293,240	14,791,111	29,593,672	14,802,561
	1927	88	5,115	13	565	4,537	16,833	1,421,379	4,739,153	15,422,575	27,630,487	12,207,912
	1919	156	5,907	58	694	5,155	15,320	1,369,475	5,465,761	20,319,973	33,134,732	12,814,759
Wood preserving	1929	199	14,497	7	1,413	13,077	57,913	3,621,564	14,939,973	147,702,724	190,944,645	43,241,921
	1927	193	13,725	5	1,461	12,259	50,606	3,290,771	13,725,557	141,554,898	184,557,640	43,002,742
	1919	73	4,615	1	636	3,978	16,104	1,293,239	4,342,277	23,241,888	33,239,313	9,997,455
Wood turned and shaped and other wooden goods, not elsewhere classified.	1929	894	21,499	587	2,200	18,712	88,368	5,566,664	18,616,688	28,428,563	69,619,990	41,191,427
	1927	748	18,209	443	1,829	15,937	77,425	4,370,124	16,333,285	26,063,907	60,530,005	34,466,098
	1919	967	19,910	885	1,933	17,092	65,596	3,403,734	14,968,916	26,782,568	56,640,400	29,857,832
Woolen goods	1929	460	62,645	115	4,056	58,474	195,247	13,815,454	66,013,599	165,882,063	290,938,949	125,056,886
	1927	471	65,509	149	3,570	61,790	191,703	12,089,574	72,156,158	172,700,233	301,308,743	128,608,510
	1919	560	67,020	258	3,805	62,957	172,191	13,141,096	66,895,326	217,965,333	364,896,590	146,931,257
Wool pulling	1929	18	675	7	72	596	1,847	251,871	907,278	10,916,994	13,648,064	2,731,070
	1927	18	608	14	70	524	2,403	191,328	768,990	12,466,056	14,640,401	2,174,345
	1919	24	839	23	111	705	2,162	283,208	909,788	12,809,592	17,361,231	4,551,639
Wool scouring	1929	21	1,496	2	192	1,302	8,241	624,397	1,770,974	3,021,731	6,241,264	3,219,533
	1927	25	1,581	7	188	1,386	7,935	491,440	1,981,774	3,009,936	6,661,994	3,652,038
	1919	33	2,407	9	221	2,177	9,710	727,174	2,896,453	7,228,350	13,679,584	6,451,234
Wool shoddy	1929	50	2,057	17	278	1,762	15,940	1,017,154	2,109,374	10,126,717	15,344,978	5,218,261
	1927	55	1,950	35	236	1,679	15,353	819,350	1,916,195	7,980,575	12,596,726	4,616,851
	1919	78	2,956	64	326	2,566	16,367	1,017,223	2,653,169	16,076,315	23,254,398	7,178,083
Worsted goods	1929	264	93,763	53	5,225	88,485	372,536	16,322,297	98,137,732	336,649,459	536,067,399	199,417,940
	1927	288	97,456	62	4,823	92,571	364,422	15,894,253	101,665,747	329,407,609	516,669,356	187,261,947
	1919	292	109,372	129	5,413	103,830	294,028	17,840,660	101,512,855	447,629,350	700,537,482	252,908,132
Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills.	1929	50	12,839	3	1,419	11,417	68,630	4,395,003	18,762,303	70,120,941	124,658,966	54,538,025
	1927	44	12,200	6	1,111	11,083	53,938	3,514,435	16,066,001	55,778,864	98,186,341	42,407,477
	1919	50	11,783	13	1,344	10,426	23,923	2,854,926	14,919,676	51,155,653	81,869,115	30,713,462

[1] Data for employees of central-administrative offices included in the figures for 1919 but not in those for 1927 or 1929. The number of such employees, as reported for 1929, was 208,363, and their compensation amounted to $600,437,331. The corresponding data for 1919 can not be segregated, and no such data were collected for 1927.

[2] The aggregates for cost of materials and value of products include large but indeterminable amounts of duplication due to the use of the products of some establishments as materials by others. This duplication occurs, as a rule, between different industries, and is not found to any great extent in individual industries.

[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.

[4] No comparable data available for 1919.

[5] Because of changes in classification, the figures for 1919 are not strictly comparable with those for later years.

[6] Adjusted for comparison with 1929.

[7] No comparable data available for 1927 or 1919.

[8] New industry classification at the census for 1929.

TABLE 6.—RELATIVE IMPORTANCE OF LEADING INDUSTRIES, FOR THE UNITED STATES: 1929

INDUSTRY	Number of establishments	WAGE EARNERS		COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
		Average for the year	Rank	Amount	Rank	Amount	Rank	Amount	Rank
Industries reporting 100,000 wage earners or more, total	97,228	4,725,511		$17,491,269,712		$33,596,430,225		$16,105,160,613	
Foundry and machine-shop products, not elsewhere classified	8,606	454,441	1	1,038,066,092	5	2,791,461,964	4	1,753,395,872	1
Cotton goods	1,281	424,916	2	898,028,977	9	1,524,177,087	11	626,148,110	13
Lumber and timber products, not elsewhere classified	12,915	419,084	3	419,603,388	25	1,273,472,320	12	853,868,932	6
Iron and steel: Steel works and rolling mills	486	394,574	4	1,904,083,157	4	3,365,788,805	3	1,401,705,648	2
Car and general construction and repairs, steam-railroad repair shops	1,851	368,681	5	515,562,452	17	1,184,435,262	13	668,872,810	12
Electrical machinery, apparatus, and supplies	1,892	328,722	6	971,017,623	6	2,300,915,572	6	1,329,897,949	4
Motor vehicles, not including motorcycles	244	226,116	7	2,401,611,763	2	3,722,793,274	1	1,321,281,511	6
Motor-vehicle bodies and motor-vehicle parts	1,154	221,332	8	856,985,637	11	1,537,929,793	9	680,944,156	11
Knit goods	1,888	208,488	9	456,700,958	20	899,716,672	23	443,016,714	19
Boots and shoes, other than rubber	1,341	205,640	10	515,055,246	18	965,922,694	19	450,867,448	18
Bread and other bakery products	20,785	200,841	11	737,099,600	12	1,526,110,811	10	789,011,311	7
Furniture, including store and office fixtures	3,778	193,399	12	426,454,169	24	948,116,358	20	521,662,189	15
Clothing, women's, not elsewhere classified	8,082	187,500	13	934,413,683	7	1,709,580,505	8	775,166,822	8
Printing and publishing, book and job	12,712	150,649	14	266,749,365	37	1,006,656,768	16	739,907,403	9
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	3,691	149,868	15	440,504,979	21	901,104,205	22	460,599,226	16
Silk and rayon manufactures	1,491	130,467	16	412,181,260	26	731,200,231	29	319,018,971	24
Printing and publishing, newspaper and periodical	11,624	129,660	17	391,737,705	27	1,738,298,892	7	1,346,561,187	3
Meat packing, wholesale	1,277	122,505	18	2,974,127,757	1	3,434,654,098	2	460,520,341	17
Cigars and cigarettes	1,636	105,306	19	356,778,023	29	1,066,968,883	14	710,130,865	10
Paper	685	103,320	20	674,607,978	16	1,067,186,026	18	392,578,048	20
Industries reporting 50,000 to 100,000 wage earners, total	20,494	1,283,865		6,207,879,224		10,564,076,845		4,356,197,621	
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	2,997	98,866	21	462,062,128	19	750,342,041	26	288,279,913	26
Clay products (other than pottery) and nonclay refractories	1,749	93,336	22	81,698,742	84	294,934,513	60	213,235,771	33
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	4,849	90,134	23	296,008,499	35	553,583,498	31	257,674,999	27
Worsted goods	264	88,485	24	336,649,459	31	536,067,399	32	199,417,940	35
Rubber tires and inner tubes	91	83,263	25	429,606,971	23	770,176,890	25	340,569,919	22
Petroleum refining	390	80,596	26	2,031,341,408	3	2,639,665,001	5	608,323,693	14
Dyeing and finishing textiles	732	79,327	27	235,712,156	40	465,820,629	37	230,108,473	31
Nonferrous-metal alloys and products, not including aluminum products	1,225	79,183	28	600,410,913	15	909,804,050	21	309,393,137	25
Glass	263	67,627	29	103,293,943	66	303,818,560	47	200,524,617	34
Confectionery	2,021	63,501	30	215,192,474	42	393,269,849	42	178,077,376	38
Chemicals, not elsewhere classified	551	62,199	31	363,576,811	28	738,048,386	28	374,471,575	21
Engines, turbines, tractors, and water wheels	199	61,148	32	202,900,430	44	457,217,669	38	254,317,239	28
Shirts	863	59,830	33	116,678,496	59	228,321,616	65	111,643,120	61
Woolen goods	460	58,474	34	165,882,063	49	290,938,949	62	125,056,886	67
Boxes, paper, not elsewhere classified	1,249	65,654	35	159,839,677	61	294,253,296	61	134,413,719	54
Ship and boat building, steel and wooden, including repair work	624	55,089	36	85,848,690	80	231,300,165	63	145,451,476	49
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	1,482	54,947	37	244,696,254	39	477,036,827	36	232,340,673	30
Hardware not elsewhere classified	486	52,306	38	76,480,210	89	229,477,607	64	152,997,297	47
Industries reporting 25,000 to 50,000 wage earners, total	30,728	1,076,069		3,866,486,055		7,738,763,023		3,872,276,968	
Leather: Tanned, curried, and finished	471	49,932	39	337,597,868	30	481,340,299	35	143,742,431	60
Machine tools	280	47,391	40	64,284,022	100	244,578,088	59	180,294,066	37
Stoves and ranges (other than electric and warm-air furnaces)	609	46,616	41	100,747,049	70	271,747,009	65	170,999,960	42
Gas, manufactured, illuminating and heating	754	43,065	42	188,416,183	46	512,652,595	33	324,236,412	23
Agricultural implements	293	41,663	43	113,969,484	61	277,854,462	63	163,884,978	44
Rubber goods other than tires, inner tubes, and boots and shoes	412	40,226	44	114,674,244	60	244,745,737	68	130,071,493	65
Turpentine and rosin	1,183	40,157	45	10,293,954	232	36,281,632	194	25,987,678	161
Cars, electric and steam railroad, not built in railroad repair shops	147	40,015	46	223,889,397	41	328,220,204	44	104,330,807	65
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	582	40,000	47	87,639,495	78	204,306,134	71	116,666,639	69
Steam fitting and steam and hot-water heating apparatus	240	39,621	48	72,708,268	92	228,310,254	66	155,601,986	46
Rayon and allied products	29	39,106	49	33,334,753	140	149,546,107	91	116,211,354	60
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	511	38,201	50	83,551,715	82	138,450,078	95	54,898,363	110
Marble, granite, slate, and other stone products	1,881	37,817	51	57,637,838	106	192,163,916	74	134,526,078	63
Pottery, including porcelain ware	313	35,409	52	27,007,364	159	110,622,453	112	83,615,089	80
Cement	174	33,368	53	95,242,497	74	267,509,260	57	172,266,763	40
Carpets and rugs, wool, other than rag	67	32,623	54	86,650,892	79	176,915,364	80	90,264,472	73
Millinery	1,293	32,206	55	98,089,659	72	195,693,457	72	97,603,798	69
Ice, manufactured	4,110	32,184	56	39,808,164	119	210,952,264	69	171,144,100	41
Tin cans and other tinware, not elsewhere classified	232	31,497	57	194,986,803	45	296,901,426	49	101,914,623	66
Boxes, wooden, except cigar boxes	792	30,554	58	74,081,937	91	135,025,675	96	60,943,738	106
Car and general construction and repairs, electric-railroad repair shops	446	29,476	59	32,781,113	141	85,481,577	130	52,700,464	113
Paints and varnishes	1,063	29,211	60	334,132,065	32	668,975,838	30	234,843,773	29
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	2,161	28,593	61	112,648,112	62	222,484,626	67	109,836,513	63
Beverages	5,154	28,281	62	103,026,180	67	270,323,803	56	167,297,623	43
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	255	27,960	63	49,032,599	112	129,673,784	99	80,641,185	85
Jewelry	1,536	27,922	64	79,804,617	86	177,386,932	79	97,582,315	70
Flour and other grain-mill products	4,022	27,028	65	868,872,569	10	1,060,269,418	15	191,396,849	36
Textile machinery and parts	376	27,019	66	36,556,299	129	122,438,514	105	85,882,215	78
Machine-tool accessories and small metal-working tools, not elsewhere classified	722	26,682	67	26,992,631	160	144,410,890	94	117,418,259	68
Furnishing goods, men's, not elsewhere classified	598	26,588	68	83,631,818	81	150,963,603	90	67,331,785	98
Boots and shoes, rubber	22	25,659	69	34,396,466	136	102,537,625	121	68,141,159	96

TABLE 6.—RELATIVE IMPORTANCE OF LEADING INDUSTRIES, FOR THE UNITED STATES: 1929—Continued

INDUSTRY	Number of establishments	WAGE EARNERS		COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
		Average for the year	Rank	Amount	Rank	Amount	Rank	Amount	Rank
Industries reporting 10,000 to 25,000 wage earners, total	35,337	1,096,141		$7,089,748,685		$11,880,303,568		$4,790,554,883	
Iron and steel: Blast furnaces	105	24,960	70	610,293,691	14	771,425,464	24	161,131,773	45
Bookbinding and blank-book making	1,108	24,754	71	30,754,777	148	102,783,405	120	72,028,628	94
Pulp (wood and other fiber)	198	24,729	72	148,752,729	54	238,928,279	60	90,175,550	74
Gas and electric fixtures; lamps, lanterns, and reflectors	614	23,580	73	57,918,407	105	144,965,706	93	87,047,299	77
Pumps (hand and power) and pumping equipment	322	23,106	74	66,802,372	99	164,009,397	85	97,207,025	71
Wire, drawn from purchased bars or rods	81	22,467	75	126,182,429	58	213,997,410	68	87,814,981	76
Ice cream	3,150	22,399	76	155,964,386	53	328,413,911	43	172,449,525	39
Wirework, not elsewhere classified	547	22,388	77	68,144,047	98	146,805,049	92	78,661,002	86
Aluminum manufactures	150	21,210	78	94,036,463	76	153,457,248	89	69,420,785	107
Fertilizers	638	20,926	79	159,801,195	52	232,510,936	61	72,709,741	92
Forgings, iron and steel, not made in plants operated in connection with rolling mills	218	20,882	80	71,606,964	95	156,248,947	87	84,641,983	79
Coke, not including gas-house coke	153	20,552	81	281,592,430	36	416,348,458	40	134,756,028	52
Paper goods, not elsewhere classified	436	20,227	82	100,368,676	71	182,647,712	77	82,279,036	82
Signs and advertising novelties	1,239	20,000	83	35,701,412	132	118,044,157	110	82,342,745	81
Screw-machine products and wood screws	273	19,881	84	39,462,568	122	105,974,662	116	66,512,094	99
Cast-iron pipe	72	19,741	85	34,289,365	137	80,260,550	135	45,971,185	119
Tools, not including edge tools, machine tools, files, or saws	534	19,305	86	32,110,507	143	99,462,032	124	67,351,525	97
Butter	3,527	19,097	87	635,873,586	13	746,417,620	27	110,544,034	62
Lithographing	376	18,979	88	38,992,142	124	121,014,321	106	82,022,179	83
Fancy and miscellaneous articles, not elsewhere classified	814	18,722	89	35,139,854	134	85,388,961	131	50,249,107	115
Wood turned and shaped and other wooden goods, not elsewhere classified	894	18,712	90	28,428,563	153	69,619,990	146	41,191,427	130
Mattresses and bed springs, not elsewhere classified	951	17,187	91	61,527,026	102	123,279,717	104	61,752,691	102
Typewriters and parts	26	16,945	92	7,248,601	248	61,857,615	154	54,609,014	111
Refrigerators, mechanical	34	16,883	93	72,413,047	94	161,565,676	86	89,152,629	75
Instruments, professional and scientific	276	16,876	94	28,411,430	154	89,746,369	128	61,334,939	104
Cash registers and adding, calculating, and card-tabulating machines	46	16,840	95	10,766,013	225	110,000,986	113	99,234,973	68
Toys (not including children's wheel goods or sleds), games, and playground equipment	476	16,660	96	29,981,527	151	74,828,981	139	44,847,454	121
Hats, fur-felt	139	16,539	97	55,298,045	103	102,004,165	123	46,706,120	118
Concrete products	2,438	16,505	98	34,035,184	138	92,900,749	126	58,865,565	108
Patent or proprietary medicines and compounds	1,522	16,434	99	94,769,833	75	318,906,928	45	224,137,095	32
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	117	16,175	100	44,211,785	113	102,392,099	122	58,180,314	109
Oil, cake, and meal, cottonseed	553	15,825	101	249,019,800	38	298,376,039	48	49,356,239	116
House-furnishing goods, not elsewhere classified	964	15,794	102	76,624,989	88	127,602,002	101	50,977,013	114
Fur goods	2,855	15,752	103	176,106,910	48	277,592,752	54	101,485,842	67
Cotton small wares	202	15,281	104	33,636,208	139	65,169,753	150	31,533,545	145
Cutlery (not including silver and plated cutlery) and edge tools	239	14,991	105	14,789,335	201	78,660,872	136	63,871,537	101
Aircraft and parts	132	14,710	106	27,368,103	157	71,152,924	144	43,784,821	123
Smelting and refining, copper	26	14,544	107	920,351,441	8	994,783,862	17	74,432,421	89
Cordage and twine	123	14,489	108	54,573,295	109	91,455,117	127	36,881,858	138
Phonographs	59	14,416	109	37,323,137	127	96,849,048	125	59,525,911	106
Soap	282	14,363	110	180,352,984	47	310,191,530	46	129,838,546	56
Sugar refining, cane	21	13,912	111	438,399,151	22	507,389,262	34	68,990,111	95
Corsets and allied garments	213	13,664	112	36,035,079	130	76,802,199	138	40,767,120	132
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	348	13,612	113	53,239,911	110	80,848,513	134	27,608,602	158
Perfumes, cosmetics, and other toilet preparations	815	13,109	114	58,298,879	104	193,440,550	73	135,141,671	51
Wood preserving	199	13,077	115	147,702,724	55	190,944,645	75	43,241,921	124
Caskets, coffins, burial cases, and other morticians' goods	414	13,033	116	39,350,294	123	88,281,872	129	48,931,578	117
Photographic apparatus and materials	115	12,967	117	30,392,531	149	102,827,386	119	72,434,855	93
Photo-engraving, not done in printing establishments	654	12,353	118	11,003,121	222	77,382,259	137	66,379,138	100
Bags, other than paper, not made in textile mills	202	11,828	119	144,275,477	56	170,175,893	83	25,900,416	163
Smelting and refining, zinc	30	11,618	120	74,760,088	90	118,901,070	109	44,140,982	122
Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills	50	11,417	121	70,120,941	97	124,658,966	103	54,538,025	112
Trunks, suitcases, and bags	467	11,359	122	31,693,935	146	63,968,929	153	32,274,994	144
Stationery goods, not elsewhere classified	203	11,078	123	32,177,887	142	74,062,047	140	41,884,160	128
Locomotives, not made in railroad repair shops	16	11,045	124	52,808,092	111	83,858,258	132	31,050,166	149
Tobacco: Chewing and smoking, and snuff	152	10,811	125	72,494,329	93	179,332,951	78	106,838,622	64
Sporting and athletic goods, not including firearms or ammunition	242	10,793	126	24,482,236	168	58,288,728	160	33,806,492	142
Motion pictures, not including projection in theaters	142	10,784	127	35,441,025	126	184,102,419	76	145,661,394	48
Watches and watch movements	8	10,738	128	10,455,921	231	34,370,399	202	23,914,478	169
Plated ware	96	10,728	129	16,750,985	192	55,429,959	163	38,678,974	134
Cooperage	586	10,691	130	41,515,500	116	64,841,788	151	23,326,288	176
Druggists' preparations	429	10,688	131	43,775,986	114	124,778,487	102	81,002,501	84
Food preparations, not elsewhere classified	862	10,616	132	96,387,639	73	171,860,987	82	75,473,348	87
Sewing machines and attachments	39	10,467	133	16,458,425	193	45,094,600	180	28,636,175	156
Pocketbooks, purses, and cardcases	290	10,430	134	35,351,605	133	68,627,515	148	33,275,910	143
Clocks, clock movements, time-recording devices, and time stamps	56	10,401	135	10,675,113	227	42,165,875	185	31,490,762	146
Boot and shoe findings, not made in boot and shoe factories	382	10,376	136	31,964,401	144	58,625,445	159	26,661,044	160
Envelopes	171	10,367	137	29,927,683	152	61,286,992	156	31,359,309	148
Feeds, prepared, for animals and fowls	750	10,223	138	327,919,743	34	402,752,534	41	74,832,791	88
Engraving, steel and copperplate, and plate printing	456	10,130	139	11,864,764	217	47,161,641	171	35,296,877	140
All other industries (reporting less than 10,000 wage earners), total	27,172	657,157		3,894,196,056		6,655,289,782		2,761,093,726	

TABLE 7.—ESTIMATED NET VALUE OF MANUFACTURED PRODUCTS, BY INDUSTRY GROUPS: 1929

[While the net-value figure in the final column for "All groups" represents the value of all the finished products of industry, the 16 items for the individual industry groups which together make up the total net value of products do not represent exactly the values of completely-manufactured products for the respective groups. For example: To arrive at the value of "Food and kindred products" ready for ultimate consumption it would be necessary to add to the $9,682,000,000 items an estimated cost of containers obtained from other industry groups. On the other hand, for the "Rubber products" group it would be necessary to deduct from the gross-value figure the estimated value of rubber semimanufactures, such as tires sold for initial installation on motor vehicles. For method of computing net value, see GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products, p. 6]

INDUSTRY GROUP	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY					VALUE OF PRODUCTS	
	Total	Fuel and purchased energy		Raw materials and imported semimanufactures	Domestic semimanufactures	Gross	Net
		Coal, natural gas, and purchased energy	Manufactured fuels				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
All groups	**$38,549,579,732**	**$1,298,319,367**	**$567,846,352**	**$14,531,000,000**	**$22,152,000,000**	**$70,434,863,443**	**$47,243,000,000**
Food and kindred products	8,632,282,857	134,218,841	27,224,952	6,156,000,000	2,315,000,000	12,023,589,289	9,682,000,000
Textiles and their products	5,103,845,724	109,173,983	11,930,830	1,907,000,000	3,075,000,000	9,243,302,523	[1] 5,854,000,000
Forest products	1,580,182,953	31,219,400	4,591,249	295,000,000	1,255,000,000	3,391,765,090	2,332,000,000
Paper and allied products	1,092,722,103	75,131,224	6,564,567	319,000,000	692,000,000	1,892,251,148	1,194,000,000
Printing, publishing, and allied industries	766,483,548	22,147,106	3,588,053	157,000,000	584,000,000	3,170,139,651	[2] 2,412,000,000
Chemicals and allied products	1,970,713,269	84,474,662	14,962,658	821,000,000	1,050,000,000	3,759,404,640	2,695,000,000
Products of petroleum and coal	2,546,840,193	[3] 294,764,176	108,461,352	1,895,000,000	248,000,000	3,647,747,957	3,291,000,000
Rubber products	578,677,681	19,067,788	669,787	211,000,000	348,000,000	1,117,460,252	769,000,000
Leather and its manufactures	1,131,941,963	15,181,407	596,494	343,000,000	775,000,000	1,905,976,775	1,130,000,000
Stone, clay, and glass products	526,339,979	138,813,844	18,716,826	219,000,000	150,000,000	1,561,414,590	1,393,000,000
Iron and steel and their products, not including machinery	3,862,873,486	166,994,501	296,153,346	760,000,000	2,640,000,000	7,137,928,058	4,202,900,000
Nonferrous metals and their products	2,465,444,198	43,503,400	21,281,525	825,000,000	1,576,000,000	3,597,057,717	2,000,000,000
Machinery, not including transportation equipment	2,694,379,629	78,113,499	32,183,361	54,000,000	2,530,000,000	7,043,389,390	4,481,000,000
Transportation equipment, air, land, and water	3,683,148,078	41,153,215	12,803,903	4,000,000	3,625,000,000	6,047,209,390	2,409,000,000
Railroad repair shops	548,343,565	26,678,923	4,504,808		517,000,000	1,269,916,839	748,000,000
Miscellaneous industries	1,359,360,506	19,683,338	3,692,841	564,000,000	772,000,000	3,426,319,134	2,651,000,000

[1] Amount deducted, $302,059,330, representing cost of contract work.
[2] Amount deducted, $169,898,605, representing cost of contract work.
[3] Contains $38,263,293, which represents the cost of crude oil used as fuel.

TABLE 8.—SUMMARY BY GROUPS OF INDUSTRIES: 1914 TO 1929

[Includes, for 1919 and 1914, data for establishments reporting products valued at less than $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size. The totals for all groups and the figures for Group 1 for years prior to 1927 as given in this summary differ from those published in the report for 1927 because of the inclusion in this table, but not in the corresponding table in the report for 1927, of data for the "Poultry killing and dressing" industry for 1925 and earlier years. The figures for 1927, and in most cases those for earlier years, for Groups 1, 3, 4, 5, 11, 12, 13, and 16 differ from those published in the 1927 report. The reasons for these differences are given in the introductory text for the respective groups, Chapter VIII. See GENERAL EXPLANATIONS—Changes in Groups, Industry Titles, and Classifications, p. 9]

GROUP	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture [1]	Horsepower
All groups, total	1929	210,959	8,838,743	$11,620,973,254	$38,549,579,732	$70,434,863,443	$31,885,283,711	42,931,061
	1927	191,866	8,349,755	10,848,802,532	35,133,136,889	62,718,347,289	27,585,210,400	38,825,681
	1925	187,390	8,384,261	10,729,968,927	35,935,647,704	62,713,713,730	26,778,066,026	35,772,628
	1923	196,309	8,778,156	11,009,297,726	34,705,697,749	60,555,998,200	25,850,300,451	33,094,228
	1921	196,267	6,946,570	8,202,324,339	25,321,055,346	43,653,282,833	18,332,227,487	[2]
	1919	274,598	9,041,311	10,461,786,869	37,288,731,430	62,193,426,614	24,904,695,184	29,327,669
	1914	272,518	7,025,685	4,067,718,740	14,358,935,014	24,216,514,573	9,857,579,559	22,290,899
1. Food and kindred products	1929	56,320	753,247	902,142,970	8,632,282,857	12,023,589,289	3,391,306,432	4,607,913
	1927	49,787	679,520	823,387,583	8,113,432,583	11,015,860,010	2,902,427,427	4,134,973
	1925	48,113	664,760	793,680,786	7,748,677,877	10,418,536,301	2,669,858,424	3,881,952
	1923	51,847	682,137	795,571,072	6,990,846,444	9,524,050,759	2,533,204,315	3,723,025
	1921	52,113	626,618	746,266,284	6,122,932,701	8,267,129,564	2,144,196,773	[2]
	1919	69,423	733,664	774,723,835	10,252,630,856	12,748,348,465	2,495,717,609	3,203,106
	1914	67,403	536,436	303,341,625	3,907,186,447	4,977,760,917	1,070,574,470	2,503,932
2. Textiles and their products	1929	27,404	1,707,798	1,733,031,423	5,103,845,724	9,243,302,523	4,139,456,799	4,145,998
	1927	26,843	1,694,416	1,759,958,139	4,922,715,868	8,950,472,873	4,027,757,005	4,173,438
	1923	24,450	1,638,253	1,654,814,276	5,349,924,770	9,126,154,902	3,776,230,132	3,986,522
	1923	26,763	1,715,293	1,745,797,717	5,394,441,315	9,462,281,966	4,067,840,651	3,783,401
	1921	25,955	1,509,738	1,472,359,098	3,801,090,387	6,956,464,963	3,155,374,576	[2]
	1919	28,451	1,610,003	1,481,142,946	5,379,387,636	9,210,932,957	3,831,545,321	3,248,364
	1914	23,350	1,505,912	675,781,743	2,013,737,838	3,444,810,423	1,431,072,585	2,717,078
3. Forest products	1929	26,912	876,383	939,382,973	1,586,182,953	3,391,765,090	2,005,582,137	3,674,204
	1927	20,169	864,508	931,920,537	1,636,647,040	3,462,925,167	1,826,278,127	3,332,457
	1925	21,926	921,266	978,472,291	1,725,350,920	3,689,126,705	1,963,775,785	3,472,970
	1923	21,678	931,816	962,594,530	1,666,395,023	3,633,385,573	1,966,990,550	3,336,236
	1921	21,398	703,360	670,461,643	1,197,627,939	2,456,557,043	1,259,229,104	[2]
	1919	41,201	864,001	859,872,003	1,368,341,322	3,113,460,426	1,745,119,104	3,409,746
	1914	43,466	865,294	446,897,411	765,935,795	1,616,452,752	850,516,957	3,176,436
4. Paper and allied products	1929	3,126	293,393	287,330,792	1,092,722,103	1,892,251,148	799,529,045	3,166,804
	1927	2,972	224,437	272,153,670	1,082,363,311	1,785,997,679	703,634,368	2,813,694
	1925	2,727	221,502	263,097,369	919,657,498	1,546,814,124	627,156,626	2,574,707
	1923	2,685	219,026	250,144,000	878,763,995	1,456,970,076	578,206,081	2,313,562
	1921	2,600	184,756	202,702,800	669,070,172	1,071,800,316	402,730,144	[2]
	1919	2,677	208,115	212,724,291	720,908,211	1,250,445,203	529,536,992	1,967,446
	1914	2,452	166,752	88,844,233	314,832,826	519,689,671	204,856,845	1,697,268
6. Printing, publishing, and allied industries	1929	27,522	357,988	636,371,372	766,483,548	3,170,139,651	2,403,656,103	649,441
	1927	25,433	328,603	586,183,261	755,037,668	2,859,860,389	2,104,822,721	569,528
	1925	23,826	315,264	542,418,576	694,576,980	2,596,870,775	1,902,293,795	486,087
	1923	23,114	307,993	492,905,953	665,654,236	2,315,318,106	1,649,663,870	429,967
	1921	22,777	282,500	434,727,594	663,300,158	2,078,763,859	1,415,463,701	[2]
	1919	33,747	301,934	351,997,797	557,293,851	1,764,386,909	1,177,093,058	379,236
	1914	34,757	286,254	207,720,982	266,435,038	937,125,476	670,690,438	341,805

See footnotes at end of table

TABLE 8.—SUMMARY BY GROUPS OF INDUSTRIES: 1914 TO 1929—Continued

[See note at head of this table]

GROUP	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture [1]	Horsepower
6. Chemicals and allied products [2]	1929	8,278	280,868	$354,393,308	$1,970,713,269	$3,759,404,640	$1,788,691,371	2,312,295
	1927	7,541	253,436	317,908,093	1,803,084,544	3,351,892,059	1,548,807,515	1,848,309
	1925	7,282	244,812	296,525,641	1,830,591,898	3,211,230,498	1,380,638,600	1,748,481
	1923	7,197	246,527	288,833,729	1,702,944,290	2,933,561,637	1,230,617,347	1,654,228
	1921	7,348	199,596	224,332,535	1,352,904,081	2,228,917,456	873,013,375	(3)
	1919	10,732	329,053	364,884,045	2,269,338,413	3,803,752,737	1,534,414,324	1,720,521
	1914	11,461	258,413	164,420,708	1,011,125,288	1,964,630,406	953,505,118	1,459,062
7. Products of petroleum and coal	1929	1,497	147,216	229,050,010	2,546,840,193	3,647,747,957	1,100,907,764	1,755,258
	1927	1,418	141,655	217,485,282	2,262,698,554	3,060,225,699	797,527,145	1,513,314
	1925	1,582	136,366	210,033,811	2,396,583,404	3,230,008,511	833,425,107	1,241,877
	1923	1,650	138,330	212,881,574	1,981,370,216	2,778,888,167	797,517,951	1,092,914
	1921	1,560	115,006	180,452,175	1,760,804,612	2,372,039,178	611,234,566	(3)
	1919	1,684	131,759	185,599,027	1,635,919,806	2,289,170,161	653,250,355	709,597
	1914	1,782	90,882	60,881,700	474,558,358	721,656,198	247,097,840	464,659
8. Rubber products	1929	525	149,148	207,305,857	573,677,681	1,117,460,252	538,782,571	821,312
	1927	516	141,997	198,073,743	660,370,209	1,225,077,114	564,706,905	790,622
	1925	530	141,869	191,285,520	721,729,675	1,260,805,063	539,075,388	659,691
	1923	529	137,868	182,084,056	501,162,768	958,517,634	457,354,866	605,634
	1921	496	103,273	123,612,873	377,879,372	704,903,133	327,023,761	(3)
	1919	477	158,549	193,763,089	594,343,590	1,138,216,019	543,872,429	429,273
	1914	342	74,022	44,167,402	163,034,713	300,993,796	137,959,083	199,242
9. Leather and its manufactures	1929	4,277	318,415	359,412,972	1,131,941,963	1,905,976,775	774,034,812	436,342
	1927	4,265	315,991	364,447,396	1,088,640,717	1,869,305,048	780,664,331	419,591
	1925	4,243	314,025	355,346,411	1,012,880,605	1,763,709,361	750,828,756	413,173
	1923	4,868	344,545	388,630,008	1,083,345,380	1,880,085,716	796,740,336	412,998
	1921	4,813	280,071	314,411,672	934,397,705	1,544,185,251	609,787,546	(3)
	1919	6,397	349,362	363,453,419	1,713,807,336	2,610,230,727	896,423,391	382,537
	1914	6,758	307,060	169,357,560	753,135,354	1,104,594,557	351,459,203	311,194
10. Stone, clay, and glass products	1929	8,514	328,417	432,817,393	526,339,979	1,561,414,590	1,035,074,611	2,854,402
	1927	8,673	350,017	464,272,991	594,774,314	1,612,548,765	1,017,774,451	2,709,131
	1925	8,478	353,036	467,012,428	603,426,910	1,640,651,985	1,037,225,075	2,348,157
	1923	8,317	351,692	453,567,361	573,472,386	1,563,120,627	989,648,241	1,936,054
	1921	8,347	252,990	307,064,599	428,258,661	1,033,091,070	604,832,409	(3)
	1919	12,599	302,810	332,725,753	422,611,208	1,111,746,070	689,134,862	1,584,917
	1914	14,790	335,824	206,084,755	240,818,101	618,699,787	377,881,686	1,493,976
11. Iron and steel and their products, not including machinery	1929	6,640	880,882	1,380,986,821	3,862,873,486	7,137,928,058	3,275,054,572	9,200,822
	1927	6,340	834,967	1,263,812,344	3,544,615,067	6,197,594,589	2,652,979,522	8,322,730
	1925	6,063	850,783	1,283,840,796	3,734,084,771	6,460,222,488	2,726,137,717	7,518,726
	1923	6,353	892,185	1,324,172,787	4,152,741,176	6,827,670,385	2,674,929,209	[4]7,259,009
	1921	6,251	571,426	730,875,339	2,140,171,458	3,455,541,015	1,315,369,557	(3)
	1919	7,617	857,764	1,243,726,202	3,423,580,065	5,887,843,671	2,464,563,606	6,429,697
	1914	6,326	617,776	421,746,126	1,315,690,489	2,137,113,329	821,422,840	4,587,572
12. Nonferrous metals and their products	1929	7,522	314,741	443,466,623	2,465,444,198	3,597,057,717	1,131,613,519	1,570,217
	1927	6,761	272,667	383,184,596	1,783,213,469	2,677,107,246	893,893,777	1,226,411
	1925	7,006	276,616	382,652,356	1,948,438,054	2,839,550,465	891,112,411	1,162,140
	1923	7,501	297,798	395,078,970	1,767,637,612	2,637,159,840	869,522,228	1,171,192
	1921	7,853	212,680	256,892,785	885,264,843	1,408,059,444	521,794,601	(3)
	1919	10,441	304,768	359,171,419	1,737,233,945	2,519,031,512	781,797,567	953,109
	1914	9,808	239,542	154,579,750	964,555,945	1,329,834,086	365,278,141	550,903
13. Machinery, not including transportation equipment	1929	12,955	1,091,269	1,634,165,729	2,694,379,629	7,043,380,390	4,349,000,761	3,647,343
	1927	11,882	883,508	1,284,132,534	2,053,341,924	5,348,723,728	3,294,781,804	2,995,296
	1925	11,807	858,843	1,225,359,140	1,985,367,067	5,020,281,100	3,034,914,033	2,714,377
	1923	12,147	907,707	1,253,742,642	1,891,524,166	4,727,818,290	2,836,294,124	2,300,443
	1921	12,395	662,277	832,782,828	1,361,163,280	3,235,074,906	1,873,911,626	(3)
	1919	14,821	998,484	1,240,486,944	1,973,457,522	4,768,673,395	2,795,215,873	2,060,325
	1914	13,457	618,737	412,406,274	662,966,570	1,582,408,404	919,441,834	1,256,908
14. Transportation equipment, air, land, and water	1929	2,550	583,355	943,221,905	3,683,148,078	6,047,209,390	2,364,061,312	2,271,192
	1927	2,537	494,905	803,297,856	2,907,949,399	4,693,971,606	1,786,022,207	2,027,686
	1925	2,778	559,578	908,487,563	3,389,101,383	5,451,753,433	2,062,652,050	1,888,961
	1923	3,873	606,328	963,939,377	3,394,504,710	5,333,479,375	1,938,974,665	1,624,468
	1921	4,273	405,773	591,333,775	1,803,011,413	3,018,154,321	1,215,142,908	(3)
	1919	6,768	858,582	1,259,014,020	3,200,602,252	5,627,262,990	2,426,660,738	1,453,804
	1914	7,818	312,562	230,614,798	639,793,313	1,137,422,934	497,629,621	602,459
15. Railroad repair shops	1929	2,297	398,156	637,311,434	548,343,565	1,269,916,839	721,573,274	1,153,147
	1927	2,309	428,672	648,908,452	545,491,754	1,289,695,158	744,203,404	1,110,821
	1925	2,363	457,755	668,191,768	563,645,944	1,332,679,079	769,033,135	942,248
	1923	2,348	523,430	772,968,122	631,358,453	1,520,092,751	888,734,298	[4]798,005
	1921	2,326	418,285	671,955,829	506,871,099	1,267,342,559	760,471,460	(3)
	1919	2,368	515,709	728,690,466	547,828,694	1,354,446,094	806,617,400	644,875
	1914	2,011	365,902	253,149,943	261,438,181	552,617,790	291,179,609	478,893
16. Miscellaneous industries	1929	14,620	417,467	600,581,672	1,359,360,506	3,426,319,134	2,066,958,628	664,371
	1927	14,320	440,456	629,676,055	1,378,160,468	3,317,090,159	1,938,929,691	837,650
	1925	14,216	439,503	608,749,895	1,351,600,948	3,125,318,940	1,773,708,992	732,559
	1923	15,439	475,481	628,385,828	1,429,535,549	3,003,597,298	1,574,061,749	701,511
	1921	15,762	418,221	442,100,510	1,315,607,395	2,557,958,775	1,242,351,380	(3)
	1919	25,195	516,754	511,812,383	1,461,746,515	2,995,478,626	1,533,732,111	751,116
	1914	26,537	442,317	227,722,928	603,691,216	1,270,703,669	667,012,453	449,512

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.
[2] Not called for on schedule.
[3] The comparableness of the figures for 1914 and 1919 with those for later years is affected by the decrease in the legal manufacture of alcoholic beverages resulting from the enactment of the national prohibition act.
[4] Revised; revision not carried into total for all groups

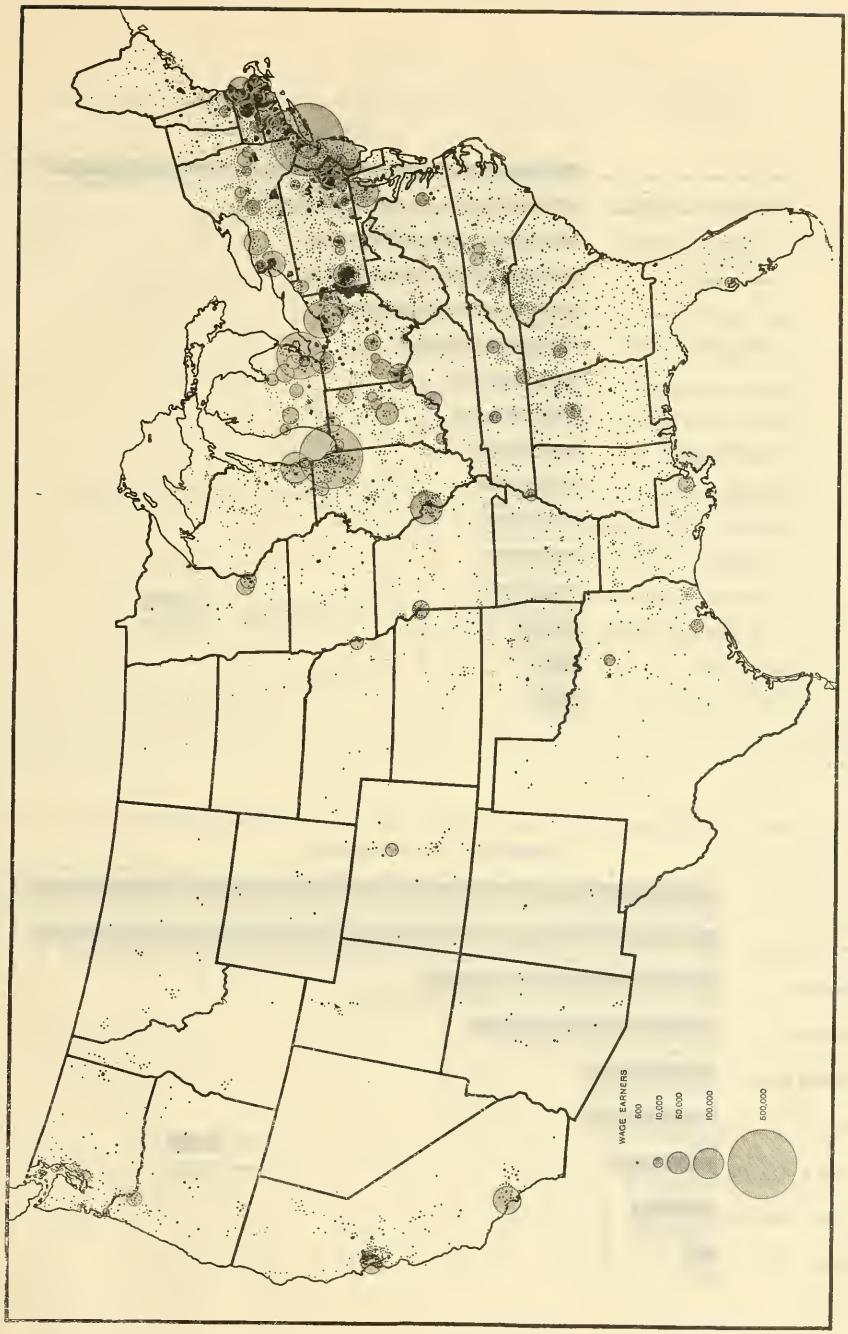


FIGURE 1.—GEOGRAPHIC DISTRIBUTION OF WAGE EARNERS IN MANUFACTURING INDUSTRIES: 1929

[*Circles indicate cities reporting 10,000 or more wage earners: dots indicate other areas*]

FIGURE 2.—WAGE EARNERS IN MANUFACTURES, BY INDUSTRY GROUPS: 1929 AND 1919

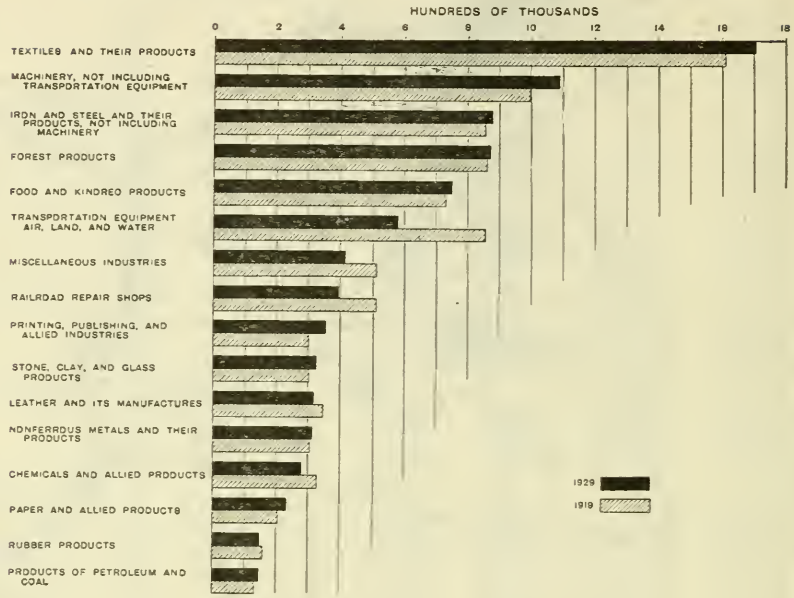
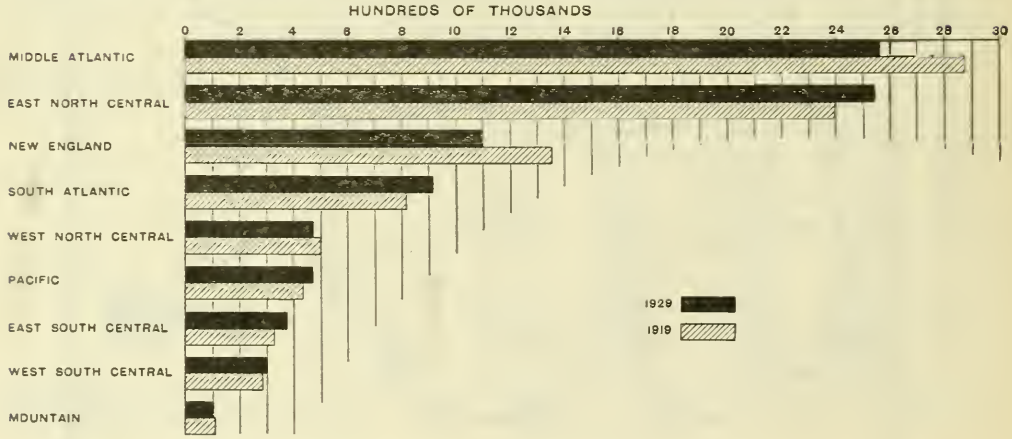


FIGURE 3.—WAGE EARNERS IN MANUFACTURING INDUSTRIES, BY GEOGRAPHIC DIVISIONS: 1929 AND 1919



REPORTS BY STATES

ALABAMA

Table 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See General Explanations—Establishments Covered—Size]

Year or period	Number of establishments	Wage earners (average for the year) [1]	Horsepower (rated capacity) of power equipment: Total	Horsepower: Prime movers	Horsepower: Electric motors driven by purchased energy	Wages	Cost of materials, containers for products, fuel, and purchased electric energy: Total [2]	Materials and containers [4]	Fuel and purchased energy	Value of products [2]	Value added by manufacture [3]
1929	2,848	119,559	785,330	400,224	385,106	$102,004,881	$302,253,388	$260,853,732	$41,399,656	$560,378,132	$258,124,744
1927	2,355	119,093	779,156	388,810	390,346	105,488,817	317,493,407	275,346,283	42,147,124	550,372,126	232,878,719
1925	2,349	116,599	697,998	413,522	284,476	101,242,539	325,684,194	(5)	(5)	552,824,044	227,139,850
1923	1,996	109,620	640,892	408,930	231,962	95,205,227	323,655,655	(5)	(5)	541,728,687	218,073,032
1921	1,855	82,748	(6)	(6)	(6)	66,747,237	186,407,328	(5)	(5)	302,808,591	116,401,263
1919	3,654	107,159	628,287	485,875	142,412	99,065,800	300,664,290	248,975,401	51,688,889	492,730,895	192,066,605
1914	3,242	78,717	445,604	389,204	56,400	33,896,871	107,411,434	89,489,136	17,922,298	178,797,633	71,386,199
1909	3,398	72,148	357,650	347,546	10,104	27,284,266	83,442,518	66,143,287	17,299,231	145,961,638	62,519,120
1904	1,882	62,173	293,091	291,643	1,448	21,878,451	60,458,368	52,285,924	8,172,444	109,169,922	48,711,554
1899	2,000	52,711	172,846	172,487	359	14,911,683	37,998,233	(7)	(7)	72,100,929	34,111,696
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	20.9	0.4	0.8	2.9	−1.3	−3.3	−4.8	−5.3	−1.8	1.8	10.8
1925–1927	0.3	2.1	11.6	−6.0	37.2	4.2	−2.5			−0.4	2.5
1923–1925	17.7	6.4	8.9	1.1	22.6	6.3	0.6			2.0	4.2
1921–1923	7.6	32.5				42.6	73.6			78.9	87.3
1919–1921	−49.2	−22.8				−32.6	−38.0			−38.5	−39.4
1919–1929	−22.1	11.6	25.0	−17.6	170.4	3.0	0.5	4.8	−19.9	13.7	34.4
1909–1919	7.5	48.5	75.7	39.8	1,309.5	263.1	260.3	276.4	198.8	237.6	207.2
1899–1909	69.9	36.9	106.9	101.5	2,714.5	83.0	119.6			102.4	83.3

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See General Explanations—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.
[4] Includes cost of foundry supplies for 1927 and earlier years but not for 1929. See General Explanations—Comparableness with Preceding Years—Schedule Changes—Mill or Shop Supplies.
[5] Not reported separately.
[6] Not called for on schedule.
[7] No comparable data.

Table 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

County or city	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy: Total	Materials and containers	Fuel and purchased energy	Value of products	Value added by manufacture
The State	2,646,248	2,848	119,559	785,330	$102,004,881	$302,253,388	$260,853,732	$41,399,656	$560,378,132	$258,124,744
Counties										
Autauga	19,694	13	576	1,366	420,476	981,150	947,300	33,850	2,202,633	1,221,483
Baldwin	28,289	58	1,188	2,036	628,608	646,579	609,295	37,284	2,353,604	1,707,025
Barbour	32,425	60	1,329	4,841	655,668	1,923,867	1,865,208	58,659	3,311,218	1,387,351
Bibb	20,780	23	292	969	174,476	222,185	205,996	16,189	603,070	380,885
Blount	28,020	13	304	2,068	222,730	234,841	197,823	37,018	649,199	414,358
Bullock	20,016	26	348	1,532	221,421	672,695	644,723	27,972	1,158,422	485,727
Butler	30,195	34	1,866	6,793	954,124	972,041	944,346	27,695	2,724,103	1,752,062
Calhoun	55,611	97	6,189	25,491	4,658,680	12,759,824	11,438,039	1,321,785	24,770,965	12,011,141
Chambers	39,313	29	4,370	21,965	2,912,156	14,849,256	14,316,041	533,215	21,560,976	6,711,720
Cherokee	20,219	11	38	379	17,555	17,500	17,300	200	62,500	45,000
Chilton	24,579	17	200	1,113	123,930	386,300	367,635	18,665	691,828	305,528
Choctaw	20,513	30	1,401	4,425	824,967	986,319	970,275	26,044	3,282,419	2,286,100
Clarke	26,016	25	1,495	3,482	985,460	456,649	419,605	37,044	2,204,740	1,748,091
Clay	17,768	41	196	1,049	100,854	322,998	319,323	3,675	570,148	247,150
Cleburne	12,877	21	119	844	71,660	70,467	70,095	372	200,431	129,964
Coffee	32,556	46	607	2,979	282,576	1,823,038	1,783,847	39,191	2,392,332	569,294
Colbert	29,860	26	825	1,902	933,077	1,337,995	1,264,587	73,408	2,967,605	1,629,610
Conecuh	25,429	20	135	1,147	85,438	263,774	261,434	2,340	494,666	230,892
Coosa	12,460	20	329	1,074	192,441	467,250	466,224	1,026	920,968	453,718
Covington	41,356	64	2,000	8,106	1,226,670	3,087,449	2,993,760	93,689	6,758,283	3,670,834

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties—Continued										
Crenshaw	23,656	28	325	1,447	$186,851	$303,586	$301,029	$2,557	$809,779	$497,193
Cullman	41,051	44	340	2,092	214,386	971,368	957,388	13,980	1,566,249	594,881
Dale	23,175	51	537	2,741	306,097	1,319,413	1,296,373	20,040	2,183,322	863,909
Dallas	55,094	42	1,674	7,457	1,289,897	5,583,853	5,397,838	186,015	8,255,830	2,671,977
Elmore	34,280	23	799	2,101	509,193	1,150,982	1,126,375	24,607	1,910,254	759,272
Escambia	27,963	26	2,113	5,016	1,337,873	649,289	621,181	28,108	2,791,046	2,141,757
Etowah[3]	63,399	76	7,196	68,415	7,031,950	19,192,629	16,275,356	2,917,273	33,883,302	14,690,673
Fayette	18,443	45	628	2,968	374,195	1,041,311	1,009,384	31,927	2,097,217	1,055,906
Geneva	30,104	34	784	2,076	337,559	1,368,297	1,330,564	37,733	2,028,006	659,709
Greene	19,745	13	436	1,303	282,969	275,055	257,460	17,595	822,809	547,754
Hale	26,265	29	464	2,181	283,192	458,171	445,088	13,083	958,266	500,095
Henry	22,820	19	662	2,261	428,915	457,955	450,179	7,776	1,408,770	950,815
Houston	45,535	51	754	4,694	414,727	2,052,425	2,003,517	48,908	3,323,899	1,271,474
Jackson	36,881	33	964	2,182	563,313	1,470,106	1,439,439	30,757	2,477,239	1,007,043
Jefferson[3]	431,493	419	31,544	362,609	37,924,473	130,068,663	100,119,664	29,948,999	241,279,545	111,210,882
Lamar	18,001	33	135	1,292	65,416	309,692	302,087	7,605	516,091	206,399
Lauderdale	41,130	33	970	3,435	631,657	2,149,145	2,063,309	85,836	3,625,032	1,475,887
Lawrence	26,942	6	30	158	15,510	18,375	18,375		74,500	56,125
Lee	36,063	29	1,089	6,079	695,884	2,385,692	2,286,938	98,754	4,114,933	1,729,241
Limestone	36,629	15	94	1,051	67,280	323,777	309,444	14,333	561,696	237,319
Lowndes	22,878	17	191	808	95,026	151,499	146,799	4,700	434,675	283,176
Macon	27,103	11	477	1,781	342,711	267,794	248,966	18,828	824,341	556,547
Madison	64,623	36	5,144	27,895	3,064,377	9,543,272	9,045,166	498,106	15,872,059	6,328,787
Marengo	36,426	36	1,156	8,070	787,394	1,291,936	1,098,213	193,723	3,064,073	1,772,137
Marion	25,967	44	463	2,130	294,917	906,490	885,847	20,643	1,523,946	617,456
Marshall	39,802	20	308	2,698	198,170	558,979	532,330	26,649	1,008,970	449,991
Mobile	118,363	156	6,995	26,140	7,109,650	14,569,471	13,898,206	671,265	30,074,245	15,504,774
Monroe	30,070	12	1,255	2,029	699,573	325,467	302,707	22,760	1,642,881	1,317,414
Montgomery	98,671	119	4,415	20,675	3,882,216	13,979,878	13,408,786	571,092	26,217,157	12,237,279
Morgan	46,176	47	2,624	8,668	2,771,796	5,927,545	5,687,296	240,249	10,964,412	5,036,867
Perry	26,385	16	386	2,741	287,137	1,252,329	1,200,929	51,400	1,736,532	484,203
Pickens	24,902	52	378	2,240	220,955	581,571	561,396	20,175	1,122,426	540,855
Pike	32,240	36	831	4,149	513,447	1,421,190	1,398,098	23,092	2,554,108	1,132,918
Randolph	26,861	33	1,165	5,817	720,370	3,382,063	3,279,968	102,095	4,906,342	1,524,279
Russell	27,377	26	608	1,913	333,887	518,333	407,419	110,914	1,602,488	1,084,155
St. Clair	24,510	25	934	7,940	663,670	1,906,498	1,511,843	394,655	3,669,166	1,762,668
Shelby	27,576	25	587	2,500	358,072	713,133	605,882	107,251	1,768,526	1,055,393
Sumter	26,929	18	705	2,389	433,976	494,049	480,486	13,563	1,406,634	912,585
Talladega	45,241	45	3,309	22,903	2,201,464	8,284,053	7,838,223	445,830	13,086,072	4,802,019
Tallapoosa	31,188	61	3,621	14,224	2,122,020	8,629,503	8,414,978	214,525	14,904,146	6,274,643
Tuscaloosa	64,153	69	3,800	26,469	3,527,562	7,655,568	6,174,673	1,480,895	15,156,164	7,500,596
Walker	59,445	90	1,717	7,236	1,026,659	2,838,444	2,699,425	139,019	4,939,615	2,101,171
Washington	16,365	35	1,223	2,310	691,463	508,530	501,415	7,115	1,886,956	1,378,426
Wilcox	24,880	12	529	1,955	305,419	413,048	408,061	4,987	1,173,421	760,373
Winston	15,596	29	238	1,351	110,297	402,867	387,038	15,829	575,363	172,496
All other counties (De Kalb and Franklin)[4]	65,476	55	1,085	3,180	620,349	1,687,827	1,612,738	75,089	3,705,119	2,017,292
Cities having 10,000 inhabitants or more[5]										
Anniston	22,345	59	3,348	11,175	2,498,191	5,647,916	5,244,028	403,888	10,849,193	5,201,277
Bessemer	20,721	22	2,019	5,396	2,103,744	4,566,285	4,200,659	356,626	9,544,329	4,978,044
Birmingham[6]	259,678	313	17,893	189,791	21,079,089	73,102,945	61,343,087	11,759,858	133,431,009	60,328,064
Decatur	15,593	33	2,508	7,719	2,693,636	5,735,508	5,508,401	227,107	10,585,182	4,849,674
Dothan	16,046	27	367	3,157	225,413	1,434,811	1,392,852	41,959	2,259,524	824,713
Fairfield	11,059	10	303	2,405	338,886	1,953,633	1,821,283	132,350	3,556,575	1,602,942
Florence	11,729	25	870	3,243	553,287	1,986,654	1,903,268	83,386	3,179,698	1,193,044
Gadsden	24,042	46	2,726	9,685	2,277,263	7,269,803	5,498,567	1,771,236	12,245,551	4,975,748
Huntsville	11,554	23	749	2,754	431,116	2,037,890	1,943,947	93,943	3,286,725	1,248,835
Mobile	68,202	99	4,411	15,028	5,217,993	8,213,666	7,761,974	451,692	19,302,245	11,088,579
Montgomery	66,079	99	3,356	16,309	3,275,192	11,333,993	10,851,943	482,050	21,611,859	10,277,866
Selma	18,012	26	1,063	5,514	936,879	5,084,884	4,922,324	162,560	7,172,182	2,087,298
Tuscaloosa	20,659	27	652	2,205	616,781	1,033,139	975,704	57,435	2,322,269	1,289,130

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] Because of the amount of manufacturing industry in Etowah and Jefferson Counties, it had been planned to publish statistics by industries for them. It is found, however, that no figures can be given for the most important industries in these counties without disclosing, exactly or approximately, the data reported by individual establishments; and in each county those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report. The most important industries in Etowah County were "Cotton goods," as measured by number of wage earners, and "Iron and steel: Steel works and rolling mills," as measured by value of products; the leading industry in Jefferson County was "Iron and steel: Steel works and rolling mills."

[4] Combined to avoid disclosing data for individual establishments

[5] Not including Phenix City, which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for this city from separate publication to avoid disclosing approximations of the data for individual establishments.

[6] For statistics by industries for this city, see Table 13.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	132,200	114,047	18,153	2,166	2,131	35	[2] 1,110	[2] 1,075	[2] 35	[2] 9,365	[2] 7,925	[2] 1,440	119,559	[3] 102,916	[3] 16,643
1919 [1,4]	120,889	109,069	11,820	3,914	3,835	79	1,215	1,183	32	8,601	7,268	1,333	107,159	96,783	10,376
1914 [4]	89,053	81,490	7,563	3,310	3,255	55	935	919	16	6,091	5,519	572	78,717	71,797	6,920
1909	81,972	75,066	6,906	3,769	3,727	42	862	853	9	5,193	4,800	393	72,148	65,686	6,462

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices as follows: Principal salaried officers of corporations—total, 153; male, 150; female, 3. Other salaried officers and employees—total, 1,198; male, 894; female, 304. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **hold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Percent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	119,559	118,291	119,441	**121,044**	120,611	*117,862*	118,506	119,318	120,526	120,144	120,926	119,611	118,733	97.4
1919 [1]	107,159	101,837	102,802	103,668	103,838	99,828	*98,474*	103,013	107,239	112,526	115,740	116,331	**117,622**	83.7
1914 [1]	78,717	80,668	81,479	83,080	81,555	79,208	78,532	79,646	79,181	78,750	76,231	73,252	*73,028*	87.9
1909 [1]	72,148	70,620	79,394	71,048	69,168	67,641	*67,561*	68,902	72,193	75,507	77,196	77,854	77,686	86.8

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	2,848	119,559	45 and over but under 48	36	2,310
			48	237	14,202
Not reported	999	5,218	Over 48 but under 54	186	9,842
Under 40	67	1,380	54	88	3,744
40	72	2,304	Over 54 but under 60	308	33,076
Over 40 but under 44	9	52	60 and over	714	44,577
44 and over but under 45	132	2,854			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	2,848	3,654	3,398	119,559	107,159	72,148	51 to 100	164	146	123	12,190	10,348	8,579
							101 to 250	142	120	93	22,918	19,314	14,468
No wage earners	23	272	131				251 to 500	60	44	34	20,105	15,936	12,037
1 to 5	1,544	1,862	1,790	6,844	4,098	4,550	501 to 1,000	26	20	11	17,980	13,646	7,962
6 to 20	574	868	924	6,810	9,853	10,327	1,001 to 2,500	15	[1] 16	[1] 4	22,757	[1] 24,012	[1] 5,106
21 to 50	300	306	288	9,955	9,952	9,119							

[1] Tabulated as "1,000 and over."

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	2,848	3,654	3,398	119,559	107,159	72,148	$560,378,132	$492,730,895	$145,961,638	$258,124,744	$192,066,605	$62,519,120
Less than $5,000	(2)	1,070	1,614	(2)	1,145	4,226	(2)	2,650,410	3,484,496	(2)	1,797,521	2,493,709
$5,000 to $19,999	1,429	1,125	1,002	7,216	4,736	9,128	13,609,805	11,794,521	10,232,102	8,889,961	7,591,306	7,048,024
$20,000 to $99,999	754	916	493	11,314	13,580	12,983	34,347,733	38,806,065	21,920,233	18,893,579	23,307,154	11,275,069
$20,000 to $49,999	488	(2)	(2)	5,738	(2)	(2)	15,427,275	(2)	(2)	9,205,472	(2)	(2)
$50,000 to $99,999	266	(2)	(2)	5,576	(2)	(2)	18,920,458	(2)	(2)	9,688,107	(2)	(2)
$100,000 to $499,999	432	349	267	25,660	21,265	31,993	96,939,203	82,471,036	68,275,808	45,770,755	38,231,322	28,824,753
$100,000 to $249,999	287	(2)		11,412	(2)		45,103,780	(2)		21,132,855	(2)	
$250,000 to $499,999	145	(2)		14,248	(2)		51,835,423	(2)		24,637,900	(2)	
$500,000 to $999,999	118	99		20,187	15,407		82,892,834	69,705,468		37,322,305	26,289,849	
$1,000,000 and over	115	95	22	55,182	51,026	13,818	332,558,557	287,303,455	42,048,999	147,245,144	94,849,453	14,877,565
$1,000,000 to $2,499,999	70	(2)	(2)	20,270	(2)	(2)	100,024,895	(2)	(2)	43,921,639	(2)	(2)
$2,500,000 to $4,999,999	31	(2)	(2)	16,857	(2)	(2)	103,679,466	(2)	(2)	46,124,590	(2)	(2)
$5,000,000 and over	14	(2)	(2)	18,055	(2)	(2)	128,854,196	(2)	(2)	57,201,915	(2)	(2)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	2,848	3,654	119,559	107,159	$560,378,132	$492,730,895	$258,124,744	$192,066,605
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,011	941	100,800	89,464	505,238,171	437,969,430	230,202,381	161,039,809
Other forms of ownership or control (individual, partnership, etc.)	1,837	2,713	18,759	17,695	55,139,961	54,761,465	27,922,363	31,026,796
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	433	(1)	65,057	(1)	355,163,866	(1)	155,476,534	(1)
Independent (single-unit)	2,415	(1)	54,502	(1)	205,214,266	(1)	102,648,210	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines		Number	Horsepower	Number	Horsepower
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower				
The State:														
1929	785,330	400,224	2,054	227,592	162	154,269	490	13,465	11	4,898	35,895	335,106	5,815	180,608
1927	779,156	388,810	1,946	266,860	114	102,590	554	13,882	15	5,478	44,654	390,346	4,136	70,029
1925	697,998	413,522	2,152	308,136	124	85,936	441	8,238	14	11,212	17,359	284,476	3,026	66,697
1919 [1]	628,287	485,873	3,195	377,313	154	91,433	376	3,595	100	13,534	6,666	142,412	2,575	57,111
1914 [1]	445,604	389,204	[2] 3,029	[2] 375,114	(3)	(3)	350	4,469	80	9,621	3,107	56,400	1,541	41,789
Counties in which aggregate horsepower exceeded 25,000: 1929														
Calhoun	25,491	1,086	25	826			12	260			2,818	24,405		
Etowah	68,415	47,994	35	13,017	8	34,607	13	370			1,343	20,421	620	33,071
Jefferson	362,609	192,142	274	95,545	104	96,324	9	273			8,917	170,467	2,796	118,268
Madison	27,895	6,399	11	5,633	2	766					3,325	21,496		
Mobile	26,140	11,441	111	9,656	3	213	28	1,572			1,084	14,699	23	179
Tuscaloosa	26,469	20,462	61	7,964	5	11,898	15	600			560	6,007	329	5,960

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	785,330	400,224	385,106	180,608
Autauga	1,366	1,000	366	(2)
Baldwin	2,036	1,607	429	350
Barbour	4,841	3,397	1,444	----------
Bibb	969	765	204	----------
Blount	2,068	1,055	1,013	----------
Bullock	1,532	948	584	----------
Butler	6,793	5,944	849	----------
Calhoun	25,491	1,086	24,405	----------
Chambers	21,965	5,411	16,554	1,569
Cherokee	379	376	3	----------
Chilton	1,113	516	597	----------
Choctaw	4,425	4,371	54	750
Clarke	3,482	3,462	20	----------
Clay	1,049	931	118	----------
Cleburne	844	844	----------	----------
Coffee	2,979	2,022	957	6
Colbert	1,902	1,014	888	185
Conecuh	1,147	1,121	26	----------
Coosa	1,074	1,051	23	----------
Covington	8,106	5,877	2,229	2,384
Crenshaw	1,447	1,292	155	----------
Cullman	2,092	1,963	129	----------
Dale	2,741	2,608	133	178
Dallas	7,457	2,213	5,244	----------
Elmore	2,101	1,080	1,021	----------
Escambia	5,016	4,690	326	1,200
Etowah	68,415	47,994	20,421	39,071
Fayette	2,968	2,177	791	105
Geneva	2,076	1,220	856	----------
Greene	1,303	1,300	3	472
Hale	2,181	1,998	183	----------
Henry	2,261	2,030	231	----------
Houston	4,694	2,862	1,832	----------
Jackson	2,182	1,158	1,024	----------
Jefferson	362,609	192,142	170,467	118,268
Lamar	1,292	1,116	176	----------
Lauderdale	3,435	1,333	2,102	----------
Lawrence	158	[3] 158	(3)	----------
Lee	6,079	955	5,124	----------
Limestone	1,051	1,005	46	----------
Lowndes	808	758	50	----------
Macon	1,781	1,685	96	840
Madison	27,895	6,399	21,496	----------
Marengo	8,070	2,987	5,083	----------
Marion	2,130	1,355	775	(2)
Marshall	2,698	480	2,218	----------
Mobile	26,140	11,441	14,699	179
Monroe	2,029	2,000	29	----------
Montgomery	20,675	4,671	16,004	125
Morgan	8,668	2,941	5,727	944
Perry	2,741	1,283	1,458	----------
Pickens	2,240	1,498	742	----------
Pike	4,149	3,032	1,117	----------
Randolph	5,817	826	4,991	----------
Russell	1,913	1,138	775	937
St. Clair	7,940	1,131	6,809	----------
Shelby	2,500	750	1,750	----------
Sumter	2,389	2,265	124	1,410
Talladega	22,903	3,043	19,860	----------
Tallapoosa	14,224	6,137	8,087	5,665
Tuscaloosa	26,469	20,462	6,007	5,960
Walker	7,236	2,733	4,503	----------
Washington	2,310	2,310	----------	----------
Wilcox	1,955	[3] 1,955	(3)	(2)
Winston	1,351	755	596	----------
All other counties (De Kalb and Franklin)	3,180	2,097	1,083	----------

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately to avoid disclosing data for a single establishment.
[3] The item for electric motors is included in that for prime movers to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	8,431,560	$21,477,089	8,036,554	8,660,419	7,654,537	6,308,327	6,372,253
Anthracite (tons, 2,240 lbs.)	39,492	95,227	(3)	7,360	4,891	1,883	17,903
Bituminous (tons, 2,000 lbs.)	8,387,329	21,381,862	(3)	8,652,176	7,649,059	6,306,218	6,352,202
Coke (tons, 2,000 lbs.)	3,349,047	8,544,426	(4)	(4)	3,556,934	2,725,685	3,041,326
Fuel oils, including crude oils and gas oils (gallons) [5]	37,807,841	1,064,306	(4)	(4)	7,742,406	1,166,634	477,540
Gasoline and kerosene (gallons) [5]	801,520	152,210	(4)	(4)	500,556		
Gas, natural (M cu. ft.)							
Gas, manufactured (M cu. ft.)	26,672,435	2,895,832	(4)	(4)	216,135	156,005	18,715
Other fuels	----------	231,084	(4)	(4)	(4)	(4)	(4)
Electric energy purchased (kilowatt-hours)	682,449,569	7,147,141	(6)	(4)	(4)	(4)	(4)
Total cost of fuel and purchased energy	----------	[7] 41,512,088	*Cost* $42,147,124	*Cost* (6)	*Cost* $51,688,889	*Cost* $17,922,298	*Cost* $17,299,231

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[5] Not reported separately.

Table 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

Industry	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Horsepower (rated capacity) of power equipment: Prime movers	Horsepower: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
All industries, total	2,848	[3] 10,475	119,559	400,224	355,106	[3] 24,385,366	102,004,851	260,853,732	41,399,656	560,378,132	258,124,744
Awnings, tents, sails, and canvas covers	6	6	24		15	9,700	21,859	80,148	393	161,929	81,388
Baskets and rattan and willow ware, not including furniture	5	7	167	400		13,900	71,363	70,864	439	209,746	138,443
Beverages	105	192	562	203	1,272	446,666	593,264	2,169,334	65,007	5,699,161	3,464,820
Boxes, wooden, except cigar boxes	9	25	360	654	505	75,148	212,270	378,198	8,388	895,368	508,782
Bread and other bakery products	86	154	[illegible]	265	1,742	332,533	1,539,701	3,858,133	155,410	8,132,914	4,119,371
Brooms	9	10	91		89	17,300	63,134	161,975	1,514	286,877	123,388
Butter	13	8	27	20	308	12,781	28,122	573,526	11,691	723,617	138,400
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	4	8	189	126	6	14,400	59,543	251,076	4,974	457,393	201,343
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	4	19	101	25	75	49,691	66,671	503,344	4,336	816,606	308,926
Car and general construction and repairs, electric-railroad repair shops	7	22	126		747	46,380	201,143	159,049	3,396	409,968	247,523
Car and general construction and repairs, steam-railroad repair shops	20	422	7,153	5,535	19,203	962,800	[illegible]	5,961,995	319,380	17,724,476	11,443,101
Caskets, coffins, burial cases, and other morticians' goods	5	19	194	195	357	43,664	177,299	493,282	4,321	841,726	344,123
Cast-iron pipe	29	697	9,335	3,071	27,896	2,067,906	9,572,958	13,010,902	1,646,067	37,208,672	22,551,703
Cigars and cigarettes	5	2	25			(4)	13,904	23,638	28	73,350	49,684
Clay products (other than pottery) and nonclay refractories	37	126	2,024	3,148	8,208	262,351	1,347,487	443,002	838,439	4,539,038	3,257,597
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	7	32	792		145	61,756	440,475	1,025,083	10,332	1,846,125	810,710
Coffee and spice, roasting and grinding	11	39	56		222	[illegible]	41,557	1,461,792	12,488	1,843,171	368,891
Coke, not including gas-house coke	8	267	1,606	28,973	8,607	[illegible]	2,219,525	978,669	16,816,717	24,937,794	7,142,408
Compressed and liquefied gases	8	46	47	60	1,052	70,470	55,397	140,140	37,483	724,897	547,274
Concrete products	26	47	222	30	864	94,321	193,548	498,961	15,533	1,215,179	700,685
Confectionery	12	21	192	125	89	47,991	127,899	472,022	8,303	838,864	358,539
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	9	26	132		122	66,649	152,951	576,587	7,983	1,110,233	525,663
Cordage and twine	5	49	779		4,309	108,706	556,078	1,938,998	53,916	3,606,286	1,583,372
Cotton goods	53	722	27,724	22,926	110,302	1,910,582	16,875,951	61,784,428	2,861,518	102,330,864	37,684,918
Electrical machinery, apparatus, and supplies	5	16	65		121	43,768	78,458	237,465	4,448	431,523	189,610
Engraving, steel and copperplate, and plate printing	4	10	33		27	33,989	31,993	37,206	1,557	135,316	96,553
Feeds, prepared, for animals and fowls	10	81	205		1,427	180,166	166,743	5,633,639	29,642	6,595,778	932,497
Fertilizers	56	191	1,403	1,979	6,760	412,178	537,770	9,576,542	114,397	13,242,041	3,551,102
Flour and other grain-mill products	70	14	69	947	1,436	49,490	60,230	1,535,251	14,658	1,825,234	275,325
Food preparations, not elsewhere classified	14	30	[illegible]	30	108	101,297	66,114	1,315,692	9,042	2,159,757	835,023
Foundry and machine-shop products, not elsewhere classified	60	307	2,783	1,093	10,717	840,969	3,260,193	4,780,911	304,213	13,767,589	8,682,465
Furnishing goods, men's, not elsewhere classified	6	15	482		245	127,281	303,447	1,011,744	7,082	1,617,486	598,660
Furniture, including store and office fixtures	10	52	704		604	107,128	284,050	561,228	18,070	1,218,177	638,879
Gas, manufactured, illuminating and heating	10	107	257	1,115	250	159,144	263,717	164,138	298,409	1,525,714	1,063,167
Ice cream	35	92	218	338	2,449	238,963	239,043	1,107,195	81,198	2,265,997	1,077,604
Ice, manufactured	139	194	832	4,995	14,865	375,314	732,236	204,529	496,740	3,530,101	2,828,832
Iron and steel: Blast furnaces	10	201	2,392	192,362	52,052	428,941	2,897,066	16,141,718	7,652,823	35,854,541	12,060,000
Iron and steel: Steel works and rolling mills	9	1,361	9,253			2,927,402	12,199,977	34,742,414	4,704,062	74,172,710	34,726,234
Knit goods	20	111	2,607	670	2,186	205,182	1,360,598	3,873,935	84,858	6,666,184	2,707,391
Lime	6	16	276	72	1,152	35,003	210,439	389,203	228,927	1,103,036	484,906
Lumber and timber products, not elsewhere classified	1,141	1,036	25,954	90,643	2,182	2,457,511	16,257,857	15,999,473	311,349	51,500,007	35,189,185
Marble, granite, slate, and other stone products	19	77	489	540	3,309	327,924	522,314	559,244	82,223	1,921,076	1,279,609
Mattresses and bed springs, not elsewhere classified	15	48	132		457	123,574	111,777	407,411	9,645	766,484	349,425
Meat packing, wholesale	10	66	291	530	1,348	173,020	328,770	4,735,647	64,547	5,833,443	1,033,429
Motor-vehicle bodies and motor-vehicle parts	5	2	33		105	(4)	35,012	35,871	1,526	109,009	71,612
Oil, cake, and meal, cottonseed	34	190	985	8,950	9,275	411,649	652,279	12,468,966	336,619	14,874,368	2,068,783
Peanuts, walnuts, and other nuts, processed or shelled	11	31	297	675	987	43,715	92,972	1,720,139	31,512	1,993,174	241,523
Perfumes, cosmetics, and other toilet preparations	4	13	21			18,137	17,896	42,976	593	160,972	117,403
Photo-engraving, not done in printing establishments	4	6	34		15	21,807	71,327	20,410	1,212	161,506	139,884
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	146	257	1,952	10,867	3,068	453,050	1,469,959	7,831,145	69,299	12,022,398	4,121,954
Printing and publishing, book and job	73	180	524		787	384,291	733,644	790,604	34,182	2,838,371	2,013,585
Printing and publishing, newspaper and periodical	121	985	889	13	2,155	1,770,571	1,524,838	2,065,077	82,270	9,756,948	7,609,601
Sausage, meat puddings, head cheese, etc., and sausage casings, not made in meat-packing establishments	4	10	20		95	19,690	25,642	293,594	2,381	375,432	79,457
Signs and advertising novelties	6	9	24		2	14,582	53,972	22,362	1,517	119,491	95,612
Stoves and ranges (other than electric) and warm-air furnaces	8	89	1,056		1,534	248,951	1,051,734	1,335,419	74,143	3,754,977	2,375,415
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	12	190	1,079		5,981	468,812	1,077,645	4,686,248	65,564	8,728,405	3,976,593
Turpentine and rosin	96	112	2,514	50	4	135,790	911,016	622,211	17,314	2,243,955	1,604,430
Wood preserving	5	45	651	1,037	1,025	109,337	541,595	2,608,518	87,035	4,219,676	1,524,123
Wood turned and shaped and other wooden goods, not elsewhere classified	4	8	94	530	67	11,595	60,132	145,088	1,409	241,773	95,276
Other industries	150	1,374	7,668	17,092	[illegible]	3,318,665	8,050,296	26,105,373	3,127,131	55,921,229	26,688,725

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See General Explanations—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

[3] Not including data for 1,351 employees of central administrative offices, with salaries aggregating $4,553,342. See General Explanations—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR BIRMINGHAM, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. The totals for all industries do not include data for a few establishments located outside the city (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	313	3,044	17,893	117,941	71,850	*Dollars* 7,889,898	*Dollars* 21,079,089	*Dollars* 61,343,087	*Dollars* 11,759,858	*Dollars* 133,431,009	*Dollars* 60,328,064
Beverages [1]	8	30	120	70	345	91,109	139,444	521,379	16,416	1,330,608	792,813
Bread and other bakery products	30	72	813	150	781	178,987	835,581	2,076,465	62,022	4,372,210	2,233,723
Butter	3	1	8	-------	57	(c)	5,587	174,582	2,172	228,478	51,724
Cast-iron pipe	5	422	3,647	275	16,611	1,339,529	4,299,129	6,196,779	823,784	18,551,550	11,530,987
Coffee and spice, roasting and grinding [1]	6	32	45	-------	140	101,558	32,175	1,148,937	8,040	1,440,581	283,604
Coke not including gas-house coke	3	54	454	9,378	-------	156,470	710,769	247,752	4,086,712	6,151,705	1,817,241
Confectionery	8	13	84	100	74	29,791	58,929	238,393	4,374	443,331	200,564
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	6	19	66	-------	80	45,129	122,071	369,588	5,018	766,328	391,722
Food preparations, not elsewhere classified	5	11	60	-------	41	32,908	35,170	198,764	2,015	422,713	221,934
Foundry and machine-shop products, not elsewhere classified	23	177	1,502	675	6,718	514,054	1,900,042	3,216,752	179,431	8,528,164	5,131,981
Ice, manufactured	17	23	113	557	5,109	87,123	92,268	26,176	126,455	760,274	607,643
Marble, granite, slate, and other stone products	5	3	46	-------	607	7,220	81,692	78,077	5,135	252,681	169,469
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	7	24	117	860	333	61,460	120,086	420,102	9,801	757,119	327,216
Printing and publishing, book and job	28	111	302	-------	421	267,482	436,760	456,760	18,528	1,660,425	1,185,137
Printing and publishing, newspaper and periodical [1]	14	548	340	-------	1,008	1,028,537	680,885	1,389,378	28,873	5,902,856	4,484,605
Signs and advertising novelties	6	9	24	-------	2	14,582	53,972	22,362	1,517	119,491	95,612
Other industries	143	1,502	10,160	105,876	39,539	3,944,504	11,484,580	44,588,685	6,380,505	81,813,576	30,844,386

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for the following establishments located outside the city have been included in the items for the city to avoid disclosing the data reported by those establishments: "Beverages," 1; "Coffee and spice, roasting and grinding," 1; "Printing and publishing, newspaper and periodical," 2.

[c] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

ARIZONA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1014, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[4]	Materials and containers	Fuel and purchased energy		
1929	348	10,550	180,637	134,426	46,211	$15,074,528	$167,713,595	$159,518,783	$8,194,812	$200,002,217	$32,288,622
1927	300	8,967	100,641	78,752	21,889	12,132,957	77,799,198	71,889,888	5,909,310	117,624,434	39,825,236
1925	294	9,127	102,127	82,676	19,451	11,506,159	92,270,550	(5)	(5)	138,781,477	46,610,927
1923	283	9,008	128,531	98,967	29,564	12,635,070	80,992,793	(5)	(5)	123,377,206	42,384,413
1921	269	4,774	(6)	(6)	(6)	6,809,465	26,495,183	(5)	(5)	39,110,439	12,616,256
1919	480	8,528	103,958	79,111	24,847	12,014,769	92,645,437	84,273,872	8,371,565	120,769,112	28,123,676
1914	322	6,898	54,095	45,177	8,918	6,228,873	39,283,038	34,425,345	4,857,693	64,089,510	24,806,472
1909	311	6,441	38,940	35,626	3,314	5,505,183	33,600,240	27,811,753	5,788,487	50,256,694	16,656,454
1904	169	4,793	21,162	20,997	165	3,960,248	14,595,057	11,606,084	2,988,973	28,083,192	13,488,135
1899	154	3,126	8,537	8,499	38	2,287,352	7,876,542	(6)	(6)	20,438,987	12,662,446
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	16.0	17.7	79.5	70.7	111.1	24.2	115.6	121.9	38.7	70.0	−18.9
1925–1927	2.0	−1.8	−1.5	−4.7	12.6	5.4	−15.7			−15.2	−14.4
1923–1925	3.9	1.3	−20.5	−16.5	−34.2	−8.9	13.9			12.5	9.7
1921–1923	5.2	88.7				85.6	205.7			215.5	236.0
1919–1921	−44.0	−44.0				−43.3	−71.4			−67.6	−55.1
1919–1929	−27.5	23.7	73.8	69.9	86.0	25.5	81.0	89.3	−2.1	65.6	14.8
1909–1919	64.3	32.4	167.0	122.1	649.8	118.2	175.7	203.0	44.6	140.3	68.8
1899–1909	101.9	106.0	356.1	319.2	(7)	140.7	326.6			145.9	32.6

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products, include considerable amounts of duplication due to the usa of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.
[7] Per cent not computed where base is less than 100.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

[This table gives statistics for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing an approximation of the data supplied by individual establishments. Each of the other counties, however, reported a larger number of wage earners and a larger value of products than some of the counties shown separately]

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Tha Stata	435,573	348	10,550	180,637	$15,074,528	$167,713,595	$159,518,783	$8,194,812	$200,002,217	$32,288,622
Counties										
Cochise	40,908	27	1,844	54,506	2,771,857	64,246,522	51,701,563	2,544,959	59,390,459	5,143,937
Coconino	14,004	13	871	2,333	893,524	420,575	418,919	1,656	2,231,525	1,810,950
Gila	31,016	18	884	31,788	1,379,177	45,157,633	43,475,560	1,682,073	49,647,239	4,489,606
Graham	10,373	6	29	444	32,885	225,166	215,736	9,430	313,107	87,941
Maricopa	150,970	139	2,181	14,131	2,882,623	14,548,914	13,659,254	889,660	24,107,676	9,558,762
Mohave	5,572	5	12	69	27,545	39,265	35,393	3,872	100,295	61,030
Navajo	21,202	17	687	5,140	953,540	560,298	450,444	109,854	1,928,749	1,368,451
Pima	55,676	49	1,091	4,501	1,545,202	2,229,562	1,949,881	279,681	5,304,636	3,075,074
Santa Cruz	9,684	11	74	586	89,244	263,971	237,507	26,464	469,383	205,412
Yavapai	28,470	23	1,271	36,362	2,406,001	31,292,228	29,513,455	1,778,773	34,274,646	2,982,418
Yuma	17,816	15	176	1,536	290,107	383,553	318,010	65,543	1,021,763	638,210
All other counties (Apache, Greenlee, and Pinal)	49,732	25	1,430	29,241	1,802,823	18,345,908	17,543,061	802,847	21,212,739	2,866,831
Cities having 10,000 inhabitants or more										
Phoenix	48,118	101	1,456	8,530	2,054,376	7,483,628	6,890,901	592,727	14,482,436	6,998,808
Tucson	32,506	43	993	3,671	1,443,534	1,823,958	1,585,148	238,810	4,568,980	2,745,022

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	12,400	11,975	425	191	176	15	147	140	7	1,512	1,294	218	10,550	[2] 10,365	[2] 185
1919 [1,3]	10,347	10,004	343	416	398	18	134	130	4	1,269	1,088	181	8,528	8,388	140
1914 [3]	8,014	7,881	133	267	255	12	100	98	2	749	682	67	6,898	6,846	52
1909	7,202	7,119	83	261	253	8	51	50	1	449	413	36	6,441	6,403	38

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	10,550	10,090	*9,863*	10,437	10,850	10,802	10,941	10,941	10,635	10,790	10,662	10,382	10,087	91.2
1919 [1]	8,528	8,872	8,416	*7,911*	7,931	8,217	8,208	8,742	8,902	8,837	**8,945**	8,772	8,583	88.4
1914 [1]	6,898	7,079	6,915	7,053	7,432	7,678	7,774	7,715	7,076	6,262	*5,847*	5,916	6,029	75.2
1909 [1]	6,441	6,093	6,024	*6,003*	6,048	6,439	6,869	**6,898**	6,845	6,640	6,634	6,452	6,360	87.2

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	348	10,550	45 and over but under 48	5	53
			48	115	1,803
Not reported	40	102	Over 48 but under 54	10	40
Under 40	6	13	54	24	277
40	[1] 5	[1] 27	Over 54 but under 60	53	5,198
Over 40 but under 44			60 and over	53	2,670
44 and over but under 45	35	367			

[1] Combined to avoid disclosing approximations of the data for individual establishments.

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	348	480	311	10,550	8,528	6,441	21 to 50	33	27	10	1,039	846	302
							51 to 100	12	6	6	875	383	484
No wage earners	11	57	36				101 to 250	5	10	6	1,510	1,639	1,049
1 to 5	172	291	201	458	660	464	251 to 500	6	7	6	2,274	2,427	2,123
6 to 20	102	80	44	1,111	834	476	501 to 1,000	4	2	2	3,283	1,739	1,543

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	348	480	311	10,550	8,528	6,441	$200,002,217	$120,769,112	$50,256,694	$32,288,622	$28,123,675	$16,656,454
Less than $5,000	(2)	110	117	(2)	80	129	(2)	303,604	273,045	(2)	202,728	186,124
$5,000 to $19,999	117	187	113	272	463	369	1,333,737	2,032,527	1,139,895	810,446	1,201,271	689,982
$20,000 to $99,999	146	126	55	1,134	1,003	675	6,553,151	5,348,365	2,519,424	3,883,069	2,796,683	1,424,581
$20,000 to $49,999	95	(3)	(3)	538	(3)	(3)	3,036,699	(3)	(3)	1,883,747	(3)	(3)
$50,000 to $99,999	51	(3)	(3)	596	(3)	(3)	3,516,452	(3)	(3)	1,999,322	(3)	(3)
$100,000 to $499,999	56	37	17	1,828	1,874	1,712	12,635,398	9,030,993	4,047,429	6,775,900	4,164,578	2,099,212
$100,000 to $249,999	36	(3)		898	(3)		5,843,023	(3)		3,293,740	(3)	
$250,000 to $499,999	20	(3)		930	(3)		6,792,375	(3)		3,482,160	(3)	
$500,000 to $999,999	11	8		1,080	1,062		7,523,187	5,649,768		2,919,767	2,433,986	
$1,000,000 and over	18	12	9	6,236	4,046	3,556	171,956,744	98,403,855	42,276,901	17,899,440	17,324,429	12,256,555
$1,000,000 to $2,499,999	6	(3)	(3)	2,146	(3)	(3)	8,489,140	(3)	(3)	5,541,693	(3)	(3)
$2,500,000 to $4,999,999	3	(3)	(3)	476	(3)	(3)	9,683,756	(3)	(3)	2,070,269	(3)	(3)
$5,000,000 and over	9	(3)	(3)	3,614	(3)	(3)	153,783,848	(3)	(3)	10,287,478	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	348	480	10,550	8,528	$200,002,217	$120,769,112	$32,288,622	$28,123,675
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	166	161	9,599	7,660	193,428,134	115,651,302	28,954,187	25,774,143
Other forms of ownership or control (individual, partnership, etc.)	182	319	951	868	6,574,083	5,117,810	3,334,435	2,349,532
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	57	(1)	5,478	(1)	150,828,582	(1)	15,368,978	(1)
Independent (single-unit)	291	(1)	5,072	(1)	49,173,635	(1)	16,919,644	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

[This table presents statistics for each county in which the aggregate horsepower equaled or exceeded 25,000]

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	180,637	134,426	140	54,344	42	73,445	43	6,637			2,483	46,211	2,079	69,173
1927	100,641	78,752	126	33,633	33	43,073	19	2,041	1	5	1,680	21,889	1,605	46,849
1925	102,127	82,676	139	28,801	31	51,061	30	2,814			1,441	19,451	1,561	39,428
1919 [1]	103,958	79,111	172	37,538	23	39,600	68	1,773	2	200	1,354	24,847	741	20,056
1914 [1]	54,095	45,177	[2] 190	[2] 44,312	(3)	(3)	37	795	2	70	538	8,918	478	14,290
Counties, 1929														
Cochise	54,506	53,933	45	29,610	10	24,323					94	573	638	15,344
Gila	31,788	2,798	5	[4] 2,633	1	(4)	2	165			442	28,990	27	205
Yavapai	36,362	35,380	12	7,845	7	27,000	4	535			140	982	710	23,800

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for steam turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See headnote on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	180,637	134,426	46,211	69,173	Mohave	69		69	
					Navajo	5,140	4,805	335	987
Counties					Pima	4,501	1,820	2,681	536
Cochise	54,506	53,933	573	15,344	Santa Cruz	586		586	
Coconino	2,333	2,285	48	313	Yavapai	36,362	35,380	982	23,800
Gila	31,788	2,798	28,990	205	Yuma	1,536	977	559	531
Graham	444	310	134	3	All other counties (Apache, Greenlee, and Pinal)	29,241	28,972	269	27,153
Maricopa	14,131	3,146	10,985	301					

[1] Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	231,197	$1,220,602	205,326	129,810	45,154	46,943	68,724
Anthracite (tons, 2,240 lbs.)	336	3,223	[3]	66	159	5,002	7,561
Bituminous (tons, 2,000 lbs.)	230,821	1,217,379	[3]	129,736	44,976	41,341	60,256
Coke (tons, 2,000 lbs.)	53,831	684,674	[4]	[4]	143,567	266,697	463,233
Fuel oils, including crude oils and gas oils (gallons) [5]	100,319,157	4,832,606	[4]	[4]	87,846,276	55,632,696	25,644,948
Gasoline and kerosene (gallons) [5]	338,213	62,210	[4]	[4]	65,940		
Gas, natural (M cu. ft.)							
Gas, manufactured (M cu. ft.)	24,806	24,728	[4]	[4]	10,676	5,613	1,865
Other fuels		51,012	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	131,192,858	1,334,950	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 8,210,782	Cost $5,909,310	Cost [8]	Cost $8,371,565	Cost $4,857,693	Cost $5,788,487

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents statistics for all industries for which separate figures can be given without disclosing, exactly or approximately, the data reported by individual establishments. Certain of the "Other industries," however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value, added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	348	1,659	10,550	134,426	46,211	$4,268,292	$15,074,528	$159,518,783	$8,194,812	$200,002,217	$32,288,622
Beverages	21	22	63		173	52,574	81,315	218,980	11,793	598,690	367,917
Bread and other bakery products	55	41	322		580	107,023	447,689	1,476,804	79,722	2,687,905	1,131,379
Butter	8	25	55	250	169	50,486	77,463	1,251,420	25,987	1,639,330	361,923
Clay products (other than pottery) and non-clay refractories	9	13	209		711	26,803	222,193	34,875	112,388	502,965	355,702
Concrete products	10	7	67		197	18,569	69,542	101,048	2,857	280,020	176,115
Confectionery	3	4	18		26	7,345	18,224	92,418	2,307	152,295	57,570
Feeds, prepared, for animals and fowls	6	17	36		759	41,534	40,571	677,953	13,426	902,542	211,163
Food preparations, not elsewhere classified	3		5		12		2,607	12,614		25,017	12,403
Foundry and machine-shop products, not elsewhere classified	9	12	140		440	52,686	190,047	180,347	34,593	564,880	349,940
Gas, manufactured, illuminating and heating	10	62	156	1,524	680	78,396	207,971	118,750	436,179	1,456,970	902,041
Ice cream	19	25	78		460	63,061	102,712	447,110	28,150	964,357	489,097
Ice, manufactured	30	77	399	6,372	3,700	217,172	579,978	147,408	327,156	2,176,742	1,702,178
Lumber and timber products, not elsewhere classified	16	96	2,084	8,249		295,898	2,268,088	468,448	186,977	4,419,456	3,764,031
Mattresses and bed springs, not elsewhere classified	3	7	24		62	15,210	30,958	95,414	1,661	186,512	89,437
Meat packing, wholesale	6	43	277	50	723	116,532	356,305	5,030,519	64,026	5,933,012	838,467
Oil, cake, and meal, cottonseed	6	58	181	625	2,008	136,762	169,673	2,083,998	92,150	3,459,915	1,283,727
Printing and publishing, book and job	16	38	140		139	77,241	229,375	212,429	9,044	770,461	548,988
Printing and publishing, newspaper and periodical	43	408	344	22	543	881,503	613,212	536,069	48,423	3,408,014	2,913,522
Smelting and refining, copper	10	434	3,711	115,157	28,800	1,335,600	6,062,449	139,920,844	6,350,045	156,671,668	10,400,779
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	18	91		165	43,855	140,439	305,908	4,178	667,506	357,420
Other industries	61	250	2,150	2,163	5,864	650,042	3,163,717	6,105,427	363,710	12,443,960	5,974,823

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

ARKANSAS

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

Dete for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry wes eonvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years wes $5,000. See GENERAL EXPLANATIONS—Estehlishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	1,731	44,205	223,034	134,395	88,639	$39,503,121	$116,648,475	$112,303,093	$4,345,382	$210,903,228	$94,254,753
1927	1,146	40,032	183,041	137,460	45,581	35,288,168	103,815,280	100,599,401	3,215,879	182,750,871	78,935,591
1925	1,257	43,977	177,011	145,884	31,127	37,538,492	110,664,557	(4)	(4)	195,208,015	84,543,458
1923	1,231	44,545	165,154	140,821	24,333	37,770,294	90,709,437	(4)	(4)	172,541,140	81,831,703
1921	1,289	33,431	(5)	(5)	(5)	27,804,064	64,676,913	(4)	(4)	119,029,485	54,352,572
1919	3,123	49,954	212,219	190,726	21,493	47,186,189	102,812,977	99,881,410	2,931,567	200,312,858	97,499,881
1914	2,604	41,979	177,106	171,150	5,956	20,751,731	44,906,808	43,700,428	1,206,380	83,940,587	39,033,779
1909	2,925	44,982	172,833	170,252	2,581	19,112,896	34,934,912	33,954,541	980,371	74,916,367	39,981,455
1904	1,907	33,089	109,408	108,924	484	14,543,635	21,799,346	21,175,350	623,996	53,864,394	32,065,048
1899	1,746	31,525	79,505	79,304	201	10,184,154	18,288,045	(6)	(6)	39,887,578	21,599,533
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	51.0	10.4	21.8	−2.2	94.5	11.9	12.4	11.6	35.1	15.4	19.4
1925–1927	−8.8	−9.0	3.4	−5.8	46.4	−6.0	−6.2			−6.4	−6.6
1923–1925	2.1	−1.3	7.2	3.6	27.9	−0.6	22.0			13.1	3.3
1921–1923	−4.5	33.2				35.8	40.3			45.0	50.6
1919–1921	−58.7	−33.1				−41.1	−37.1			−40.6	−44.3
1919–1929	−44.6	−11.5	5.1	−29.5	312.4	−16.3	13.5	12.4	48.2	5.3	−3.3
1909–1919	6.8	11.1	22.8	12.0	732.7	146.9	194.3	194.2	199.0	167.4	143.9
1899–1909	67.5	42.7	117.4	114.7	1,184.1	87.7	91.0			87.8	85.1

[1] Not including salaried employees.
[2] The eggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials end Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits end Production Costs.
[4] Not reported separetely.
[5] Not called for on schedule.
[6] No comperehle deta.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wege earners (averege for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by menufacture
						Totel	Materials end containers	Fuel end purchased energy		
The State	1,854,482	1,731	44,205	223,034	$39,503,121	$116,648,475	$112,303,093	$4,345,382	$210,903,228	$94,254,753
Counties [3]										
Arkenses	22,300	27	300	4,494	298,436	4,750,429	4,709,391	41,038	6,521,872	1,771,443
Baxter	9,519	11	94	253	92,524	84,299	81,479	2,820	251,601	167,302
Benton	35,253	55	345	1,741	179,583	1,147,502	1,117,451	30,051	1,735,888	588,386
Boone	14,937	26	228	1,081	226,298	281,239	260,372	20,867	642,137	360,898
Bradley	17,494	11	1,069	5,520	1,211,760	2,244,951	2,207,417	37,534	4,791,292	2,546,341
Calhoun	9,752	4	91	163	61,460	53,740	53,530	210	147,136	93,396
Carroll	15,820	40	309	1,126	103,967	559,201	553,034	6,167	877,860	318,659
Chicot	22,646	12	245	1,331	196,858	259,581	255,226	4,355	711,722	452,141
Clerk	24,932	26	632	3,804	579,863	2,275,727	2,243,694	32,033	3,287,898	1,012,171
Clay	27,278	19	174	1,085	128,268	204,825	197,914	6,911	463,423	258,598
Cleburne	11,373	12	121	800	79,029	145,998	145,602	396	343,174	197,176
Clevelend	12,744	9	104	317	69,190	57,290	55,050	2,240	193,327	136,037
Columbie	27,320	21	503	1,882	333,079	1,155,915	1,134,785	21,130	1,882,147	726,232
Conwey	21,949	15	128	1,379	88,378	565,581	552,999	12,582	877,013	311,432
Craigheed	44,740	40	662	2,941	530,356	1,378,492	1,334,559	43,933	2,679,797	1,301,305
Crawford	22,549	9	365	653	534,790	513,734	466,097	47,637	1,183,747	670,013
Crittenden	39,717	5	106	752	105,374	52,913	47,879	5,034	249,418	196,505
Cross	25,723	19	216	927	112,939	277,493	276,276	1,217	635,590	358,097
Dallas	14,671	26	781	4,076	706,172	696,879	683,963	12,916	2,284,963	1,588,084
Deshe	21,814	16	580	1,877	458,714	998,248	983,309	14,939	2,222,166	1,223,918

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties[3]—Continued										
Drew	19,928	17	449	1,843	$274,608	$952,023	$908,806	$43,217	$1,628,682	$676,659
Faulkner	28,381	13	65	683	68,893	394,291	378,658	15,633	623,615	229,324
Franklin	15,762	7	14	83	8,148	57,114	56,014	1,100	89,324	32,210
Garland	36,031	47	939	4,904	708,254	871,086	792,804	78,282	2,799,004	1,927,918
Grant	9,834	17	347	1,400	275,702	228,526	227,677	849	864,554	636,028
Greene	26,127	21	610	1,859	516,025	781,526	760,779	20,747	1,674,196	892,670
Hempstead	30,847	14	590	2,006	421,937	1,398,097	1,333,168	64,929	2,326,990	928,893
Hot Spring	18,105	20	1,192	4,539	908,225	1,013,152	765,213	247,939	2,990,237	1,977,085
Independence	24,225	14	188	1,122	104,209	138,622	90,605	48,017	383,747	245,125
Jackson	27,943	18	230	1,428	193,994	701,867	673,711	28,156	1,103,087	401,220
Jefferson	64,154	62	2,463	17,868	2,573,483	7,387,432	7,104,339	283,093	12,769,322	5,381,890
Johnson	19,289	20	161	668	116,732	193,734	193,069	665	482,244	288,510
Lawrence	21,663	16	177	1,384	121,859	571,219	551,973	19,246	839,873	268,654
Lee	26,637	30	452	1,365	339,843	335,390	331,971	3,419	994,708	659,318
Lincoln	20,250	7	79	367	78,399	75,966	73,762	2,214	183,404	107,438
Logan	24,110	18	51	658	39,124	143,846	137,051	6,795	264,275	120,429
Madison	13,334	28	162	795	69,321	252,892	250,911	1,981	460,044	207,152
Marion	8,876	13	74	359	45,954	82,278	81,368	910	233,580	151,302
Miller	30,856	24	455	2,316	317,910	1,804,215	1,759,470	44,745	2,831,836	1,027,621
Mississippi	69,289	40	1,386	5,900	1,088,261	2,339,679	2,287,066	52,613	5,552,387	3,212,708
Monroe	20,651	21	337	1,172	260,846	771,977	766,844	5,133	1,529,418	757,441
Nevada	20,407	22	426	1,922	240,522	626,150	603,455	22,695	1,435,702	809,552
Newton	10,564	13	210	769	162,539	102,095	100,895	1,200	409,305	307,210
Ouachita	29,890	36	1,475	17,474	1,392,029	4,073,594	3,593,020	480,574	8,227,432	4,153,838
Perry	7,695	7	37	288	18,223	17,135	17,060	75	59,260	42,125
Phillips	40,683	41	2,499	8,737	2,139,189	5,846,419	5,689,157	157,262	10,908,653	5,062,234
Poinsett	29,695	23	1,524	6,897	1,525,108	1,179,738	1,172,481	7,257	4,056,600	2,876,862
Polk	14,857	24	316	1,317	220,071	415,214	407,893	7,321	913,372	498,158
Pope	26,547	39	430	3,145	343,046	767,305	684,828	82,477	1,499,965	732,660
Prairie	15,187	13	285	981	230,837	303,904	297,225	6,679	838,733	634,829
Pulaski[4]	137,727	177	6,776	31,815	7,352,309	29,071,237	28,201,123	870,114	45,264,890	16,193,653
Randolph	16,871	8	132	565	96,046	119,911	116,707	3,204	322,250	202,339
St. Francis	33,394	23	405	2,495	271,718	1,778,782	1,734,742	44,040	2,616,391	837,609
Saline	15,660	20	609	2,923	405,213	1,041,126	964,690	76,436	1,900,678	859,552
Searcy	11,056	14	111	878	67,070	189,120	183,120	6,000	327,165	138,045
Sebastian	54,426	94	3,412	12,388	3,158,828	10,641,408	10,064,577	576,831	18,951,161	8,309,763
Sevier	16,364	20	250	1,043	180,886	331,452	321,619	9,833	746,701	415,249
Stone	7,993	6	44	172	32,317	29,492	29,492	----------	96,700	67,208
Union	55,800	51	2,046	10,227	2,368,628	15,214,696	14,665,183	549,513	23,352,876	8,138,180
Van Buren	11,962	8	55	335	37,936	28,303	27,873	430	114,465	86,162
Washington	39,255	73	996	2,634	499,719	1,811,494	1,762,859	48,635	3,134,525	1,323,031
White	38,269	28	347	1,701	233,456	484,095	476,170	7,925	967,028	482,933
Woodruff	22,682	11	231	1,902	156,390	283,536	269,635	13,901	629,308	345,772
Yell	21,313	14	51	862	35,086	48,107	46,440	1,667	121,987	73,880
All other counties[5]	177,632	96	4,064	22,393	3,702,290	4,045,193	3,987,573	57,620	11,401,383	7,356,190
Cities having 10,000 inhabitants or more										
Blytheville	10,098	10	73	237	72,510	159,996	141,150	18,846	425,915	265,919
El Dorado	16,421	23	538	3,002	747,207	5,130,574	4,858,736	271,838	7,625,163	2,494,589
Fort Smith	31,429	84	3,012	9,501	2,765,128	8,344,176	7,985,711	358,465	16,786,331	7,442,155
Hot Springs	20,238	31	215	1,792	230,862	506,554	471,467	35,087	1,302,885	796,331
Jonesboro	10,326	26	527	2,031	441,277	1,236,354	1,197,626	38,728	2,388,294	1,151,940
Little Rock	81,679	134	3,450	12,617	3,184,090	11,990,459	11,672,799	317,660	21,317,979	9,327,520
North Little Rock	19,418	25	2,534	11,870	3,547,128	6,736,559	6,463,630	273,229	11,713,549	4,976,690
Pine Bluff	20,760	47	1,417	11,573	1,301,600	5,077,487	4,922,188	155,299	8,325,367	3,247,880
Texarkana, Arkansas and Texas, total	27,366	52	1,043	5,180	1,066,344	3,965,736	3,760,829	204,907	6,904,786	2,939,050
Texarkana, Arkansas	10,764	16	199	1,738	179,055	1,573,195	1,528,450	44,745	2,237,105	663,910
Texarkana, Texas	16,602	36	844	3,442	887,289	2,392,541	2,232,379	160,162	4,667,681	2,275,140

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] Statistics are given for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group "All other counties." Certain of the "other counties," however, reported larger numbers of wage earners or larger values or products than some of the counties shown separately.

[4] Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry; namely, car and general construction and repairs, steam-railroad repair shops, without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report.

[5] Ashley, Fulton, Howard, Izard, Lafayette, Little River, Lonoke, Montgomery, Pike, Scott, and Sharp Counties. (See footnote 3.)

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	50,118	46,115	4,003	1,371	1,340	31	[2] 685	[2] 569	[2] 16	[2] 3,957	[2] 3,303	[2] 654	44,205	[3] 40,903	[3] 3,302
1919 [1, 4]	58,202	55,358	2,844	3,682	3,573	109	692	680	12	3,874	3,267	607	49,964	47,838	2,116
1914 [4]	48,440	47,191	1,249	2,917	2,826	91	412	405	7	3,132	2,872	260	41,979	41,088	891
1909	51,730	50,701	1,029	3,455	3,389	66	438	432	6	2,855	2,648	207	44,982	44,232	750

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 44; male, 41; female, 3. Other salaried officers and employees—total, 138; male, 100; female, 38. The corresponding data for 1919 and earlier years are included in the respective items for those years but can not be given separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14, 1929. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	44,205	42,317	41,947	42,117	42,667	42,238	43,370	45,112	49,321	50,490	46,779	43,276	*40,926*	81.1
1919 [1]	49,954	44,527	44,289	44,180	*43,960*	45,308	45,543	49,206	55,605	58,553	58,093	55,281	54,903	75.1
1914 [1]	41,979	41,118	40,686	41,252	41,011	41,369	42,470	44,658	45,506	43,652	42,951	40,265	*38,810*	85.3
1909 [1]	44,982	*41,295*	41,500	42,845	42,391	41,416	42,384	44,840	47,500	49,582	49,802	48,550	47,683	82.9

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,731	44,205	45 and over but under 48	21	1,021
			48	156	5,248
Not reported	554	2,436	Over 48 but under 54	88	3,722
Under 40	47	527	54	123	3,120
40	[1] 19	[1] 438	Over 54 but under 60	120	8,579
Over 40 but under 44			60 and over	561	18,665
44 and over but under 45	42	449			

[1] Combined to avoid disclosing data for an individual establishment.

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,731	3,123	2,925	44,205	49,954	44,982	51 to 100	73	94	79	5,209	6,842	5,622
							101 to 250	70	61	54	10,607	9,240	7,702
No wage earners	24	268	169				251 to 500	12	19	19	4,521	6,671	6,385
1 to 5	977	1,791	1,573	3,693	3,960	3,913	501 to 1,000	[1] 12	7	6	[1] 9,532	5,294	3,116
6 to 20	365	645	795	4,007	6,901	8,580	1,001 to 2,500		2	2		3,441	2,443
21 to 50	198	236	229	6,636	7,605	7,221							

[1] Combined to avoid disclosing data for an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE[1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,731	3,123	2,925	44,205	49,954	44,982	$210,903,228	$200,312,858	$74,916,367	$94,254,753	$97,499,881	$39,981,455
Less than $5,000	(2)	930	1,390	(2)	922	3,501	(2)	2,318,671	3,056,457	(2)	1,473,590	2,169,126
$5,000 to $19,999	877	1,105	943	3,519	3,964	7,315	8,922,429	11,679,651	9,579,083	5,506,736	7,095,436	6,326,701
$20,000 to $99,999	518	751	418	6,478	10,007	10,832	22,550,679	32,062,547	18,400,828	12,934,668	18,319,222	10,127,304
$20,000 to $49,999	354	(3)	(3)	3,244	(3)	(3)	11,030,039	(3)	(3)	6,432,531	(3)	(3)
$50,000 to $99,999	164	(3)	(3)	3,234	(3)	(3)	11,520,640	(3)	(3)	6,502,137	(3)	(3)
$100,000 to $499,999	243	240	170	13,810	13,380	19,972	56,514,683	53,759,693	38,436,426	26,212,428	26,917,061	18,786,422
$100,000 to $249,999	150	(3)		6,187	(3)		23,333,111	(3)		12,230,361	(3)	
$250,000 to $499,999	93	(3)		7,623	(3)		33,181,572	(3)		13,982,067	(3)	
$500,000 to $999,999	52	61		6,435	8,415		36,703,042	41,629,352		14,684,434	18,685,937	
$1,000,000 and over	41	36	4	13,963	13,266	3,362	86,212,395	58,862,944	5,443,573	34,916,487	25,008,635	2,571,902
$1,000,000 to $2,499,999	31	(3)	(3)	8,134	(3)	(3)	45,661,620	(3)	(3)	19,711,685	(3)	(3)
$2,500,000 to $4,999,999	4 10	(3)	(3)	4 5,829	(3)	(3)	4 40,550,775	(3)	(3)	4 15,204,802	(3)	(3)
$5,000,000 and over		(3)	(3)		(3)	(3)		(3)	(3)		(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.
[4] Combined to avoid disclosing data for individual establishments.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,731	3,123	44,205	49,954	$210,903,228	$200,312,858	$94,254,753	$97,499,881
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	599	691	34,687	36,567	179,010,461	149,038,772	77,127,754	71,507,400
Other forms of ownership or control (individual, partnership, etc.)	1,132	2,432	9,518	13,387	31,892,767	51,274,086	17,126,999	25,992,481
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	312	(1)	20,065	(1)	99,949,206	(1)	43,514,915	(1)
Independent (single-unit)	1,419	(1)	24,140	(1)	110,954,022	(1)	50,739,838	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR PULASKI COUNTY, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	223,034	134,395	1,520	101,185	54	23,710	150	9,500			8,698	88,639	1,922	33,220
1927	183,041	137,460	1,088	104,881	39	25,795	150	6,709	1	75	4,528	45,581	1,518	28,816
1925	177,011	145,884	1,256	117,600	39	20,020	161	8,188	6	76	3,527	31,127	1,697	28,983
1919 [1]	212,219	190,726	2,654	174,962	31	8,438	422	6,620	25	706	2,484	21,493	640	14,098
1914 [1]	177,106	171,150	[2] 2,484	[2] 167,378	(3)	(3)	377	2,979	21	793	1,073	5,956	462	7,384
Pulaski county [4]	31,815	8,749	66	[5] 8,119	1	(5)	3	630			2,250	23,066	166	1,107

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] This is the only county in Arkansas in which the aggregate horsepower equaled or exceeded 25,000.
[5] Items for steam turbines included with those for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 3 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	223,034	134,395	88,639	33,220
Counties				
Arkansas	4,494	3,090	1,404	156
Baxter	253	246	7	
Benton	1,741	1,066	675	30
Boone	1,081	375	706	
Bradley	5,520	5,460	60	3,709
Calhoun	163	156	7	
Carroll	1,126	975	151	
Chicot	1,331	1,170	161	
Clark	3,804	3,010	794	167
Clay	1,085	885	200	
Cleburne	800	762	38	178
Cleveland	317	311	6	
Columbia	1,882	1,273	609	
Conway	1,379	1,307	72	165
Craighead	2,941	2,540	401	
Crawford	653	165	488	
Crittenden	752	565	187	
Cross	927	784	143	
Dallas	4,076	3,272	804	575
Desha	1,877	1,445	432	
Drew	1,843	929	914	28
Faulkner	683	565	118	
Franklin	53	61	22	
Garland	4,904	1,534	3,370	86
Grant	1,400	1,375	25	
Greene	1,859	1,589	270	
Hempstead	2,006	1,727	279	106
Hot Spring	4,839	1,824	3,015	250
Independence	1,122	498	624	28
Jackson	1,428	870	558	
Jefferson	17,868	6,913	10,955	1,250
Johnson	668	653	15	
Lawrence	1,384	1,185	199	
Lee	1,365	1,340	25	
Lincoln	367	305	62	
Counties—Continued				
Logan	658	628	30	18
Madison	795	791	4	
Marion	359	357	2	
Miller	2,316	1,643	673	73
Mississippi	5,900	5,059	841	1,248
Monroe	1,172	1,007	165	40
Nevada	1,922	1,690	232	127
Newton	769	742	27	
Ouachita	17,474	3,830	13,644	76
Perry	238	205	33	
Phillips	8,737	4,351	4,386	3,796
Poinsett	6,897	6,664	233	3,828
Polk	1,317	1,234	83	
Pope	3,145	1,882	1,263	
Prairie	981	945	36	25
Pulaski	31,815	8,749	23,066	1,107
Randolph	565	534	31	
St. Francis	2,495	1,905	590	
Saline	2,923	2,171	752	277
Searcy	878	873	5	50
Sebastian	12,388	4,443	7,945	460
Sevier	1,043	764	279	32
Stone	172	172		
Union	10,227	7,594	2,633	477
Van Buren	335	335		
Washington	2,634	1,690	944	79
White	1,701	1,557	144	160
Woodruff	1,902	1,270	632	150
Yell	862	218	644	
All other counties [2]	22,393	20,867	1,526	14,469

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] See footnote 5, Table 2.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	116,582	$466,911	128,193	205,860	294,504	287,993	878,007
Anthracite (tons, 2,240 lbs.)	2,871	15,842	[3]	10,125	7,824	10,627	884
Bituminous (tons, 2,000 lbs.)	113,366	451,069	[3]	194,520	285,741	276,091	877,017
Coke (tons, 2,000 lbs.)	6,158	44,910	[4]	[4]	10,397	1,749	6,327
Fuel oils, including crude oils and gas oils (gallons) [5]	14,014,017	309,036	[4]	[4]	1,753,584	1,185,282	1,124,172
Gasoline and kerosene (gallons) [5]	954,918	108,131	[4]	[4]	233,646		
Gas, natural (M cu. ft.)	11,658,806	1,459,051	[4]	[4]	6,723,496	2,152,156	886,794
Gas, manufactured (M cu. ft.)	840,011	80,054	[4]	[4]			
Other fuels		112,062	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	135,009,962	1,889,343	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased electric energy		[7] 4,469,498	*Cost* $3,215,879	*Cost* [8]	*Cost* $2,931,567	*Cost* $1,206,380	*Cost* $980,371

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents statistics for all industries for which separate figures can be given without disclosing, exactly or approximately, the data reported by individual establishments. Certain of the "Other industries," however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
All industries, total	1,731	[3] 4,542	44,205	134,395	88,639	[3] $9,942,946	$39,503,121	$112,303,093	$4,345,382	$210,903,228	$94,254,753
Baskets and rattan and willow ware, not including furniture	4	11	280	360	40	20,050	176,753	146,548	1,600	431,593	283,445
Beverages	77	78	371	242	962	178,615	357,087	1,214,742	45,812	3,156,269	1,895,715
Boxes, wooden, except cigar boxes	7	35	637	1,750	155	74,929	380,604	761,041	2,441	1,455,951	692,469
Bread and other bakery products	95	85	898	4	1,494	184,350	928,807	2,544,645	104,299	5,242,127	2,593,183
Brooms	3	9	43	----------	20	16,348	45,696	101,102	1,076	200,808	98,720
Butter	14	16	43	56	750	14,206	48,044	977,738	21,488	1,247,214	247,988
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	132	96	1,347	3,227	571	60,629	412,653	2,035,197	29,544	3,194,259	1,129,518
Car and general construction and repairs, electric-railroad repair shops	5	6	81	----------	215	14,100	101,670	45,700	3,480	164,950	115,770
Car and general construction and repairs, steam-railroad repair shops	15	347	4,108	2,154	10,177	857,963	5,932,460	5,903,900	388,469	13,108,148	6,815,779
Carriage, wagon, sleigh, and sled materials	7	32	257	899	325	62,960	181,184	589,950	7,122	1,015,441	418,369
Caskets, coffins, burial cases, and other morticians' goods	3	25	99	----------	427	92,860	88,638	294,830	9,381	667,847	363,636
Cheese	10	7	15	10	113	5,770	25,273	356,255	4,889	429,592	68,448
Chemicals, not elsewhere classified	4	11	64	405	1,015	25,427	72,884	518,327	81,831	802,770	202,612
Clay products (other than pottery) and nonclay refractories	10	39	567	1,047	1,313	70,089	503,746	132,851	381,252	1,961,283	1,447,180
Clothing, women's, not elsewhere classified	7	5	274	----------	48	6,800	114,366	290,285	3,365	541,034	247,384
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	4	40	380	----------	56	85,984	171,753	862,399	6,122	1,649,356	780,835
Coffee and spice, roasting and grinding	11	23	48	----------	230	54,083	48,443	1,302,632	7,110	1,594,740	284,998
Confectionery	7	7	35	----------	32	7,050	25,443	102,199	2,862	188,244	83,183
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	9	15	91	----------	106	47,500	90,612	603,147	5,001	881,306	273,158
Cotton goods	5	23	617	----------	2,795	50,730	355,560	1,486,767	84,779	2,241,581	670,035
Feeds, prepared, for animals and fowls	7	69	132	15	1,400	172,943	126,400	2,998,396	22,497	3,743,571	722,678
Fertilizers	8	79	158	205	1,336	105,940	112,404	1,587,162	12,778	2,265,103	665,163
Flour and other grain-mill products	30	57	147	1,067	1,580	129,775	137,955	4,285,896	39,319	4,848,697	523,482
Food preparations, not elsewhere classified	4	9	22	450	251	14,551	17,347	127,767	5,730	194,679	61,182
Foundry and machine-shop products, not elsewhere classified	33	52	427	283	1,215	137,451	499,547	537,211	71,129	1,971,983	1,363,643
Furniture, including store and office fixtures	13	147	1,551	1,147	2,209	493,518	1,299,112	3,181,800	63,954	6,116,552	2,870,798
Ice cream	33	52	122	396	1,237	86,919	161,158	702,291	74,615	1,540,174	763,268
Ice, manufactured	128	158	627	9,010	10,336	252,639	583,151	233,151	416,761	3,188,990	2,539,078
Lumber and timber products, not elsewhere classified	625	1,302	21,541	82,084	6,160	3,022,380	17,685,808	18,995,993	270,102	58,063,273	38,797,178
Marble, granite, slate, and other stone products	10	16	42	15	355	17,420	58,939	69,814	7,692	224,600	147,094
Mattresses and bed springs, not elsewhere classified	11	30	148	----------	333	63,275	109,244	526,171	9,109	945,376	410,096
Meat packing, wholesale	7	15	49	75	249	43,730	63,600	1,143,929	16,189	1,387,051	226,933
Motor-vehicle bodies and motor-vehicle parts	9	62	833	1,060	6,760	156,127	762,808	1,821,827	78,584	3,551,359	1,650,948
Oil, cake, and meal, cottonseed	31	250	1,233	10,845	10,333	430,220	868,490	18,075,377	462,087	21,451,731	2,914,267
Patent or proprietary medicines and compounds	10	15	23	----------	26	24,910	14,621	67,295	1,070	204,004	135,639
Petroleum refining	10	167	681	2,116	1,590	326,902	1,069,249	14,222,496	482,136	18,906,361	4,201,729
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	47	185	1,495	6,970	1,147	433,606	1,103,959	3,963,761	26,397	6,621,328	2,631,170
Printing and publishing, book and job	44	144	379	----------	659	348,117	566,543	576,851	25,346	2,053,093	1,450,896
Printing and publishing, newspaper and periodical	132	396	755	42	1,215	784,241	988,407	924,780	56,561	4,722,354	3,741,013
Rice cleaning and polishing	8	112	193	3,573	1,384	201,141	190,145	5,741,667	27,075	7,481,340	1,712,598
Wood turned and shaped and other wooden goods, not elsewhere classified	29	54	547	1,670	277	112,740	427,622	720,906	5,171	1,611,935	885,798
Other industries	73	261	2,785	3,218	17,743	653,958	2,594,936	11,628,237	979,157	19,635,071	7,127,677

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 182 employees of central administrative offices, with salaries aggregating $461,995. See GENERAL EXPLANATIONS—Persons Engaged.

CALIFORNIA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile-repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	12,019	290,911	1,569,086	338,629	1,230,457	$423,099,248	$1,754,158,339	$1,709,776,843	$44,381,496	$3,103,349,668	$1,349,191,329
1927	10,066	262,816	1,339,695	297,772	1,041,923	378,321,461	1,504,655,053	1,457,700,157	46,954,896	2,593,247,224	1,088,592,171
1925	9,638	249,552	1,133,310	258,536	874,774	350,835,411	1,474,887,202	(4)	(4)	2,442,952,104	968,064,812
1923	9,220	246,154	971,315	246,403	724,912	353,183,303	1,283,464,739	(4)	(4)	2,215,281,350	931,816,611
1921	8,696	198,334	(5)	(5)	(5)	284,372,969	1,095,180,739	(4)	(4)	1,758,682,485	663,501,749
1919	11,942	243,692	765,168	243,980	521,188	305,207,389	1,218,858,518	1,181,132,228	37,726,290	1,981,204,701	762,346,183
1914	10,057	139,481	489,493	230,759	258,734	105,612,681	447,474,531	432,039,273	15,435,258	712,800,764	265,326,233
1909	7,659	115,296	327,878	211,341	116,537	84,141,477	325,238,074	312,160,192	13,077,882	529,760,528	204,522,454
1904	6,839	100,355	207,837	168,474	39,363	64,656,686	215,726,414	210,509,512	5,216,902	367,218,494	151,492,080
1899	4,997	77,224	124,347	114,723	9,624	39,889,997	164,894,269	(5)	(5)	257,385,521	92,491,252
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	19.4	10.7	17.1	13.7	18.1	11.8	16.6	17.3	—5.5	19.7	23.9
1925–1927	4.4	6.3	18.2	15.2	19.1	7.8	2.0			6.2	12.5
1923–1925	4.5	1.4	16.7	4.9	20.7	—0.7	14.9			10.3	3.9
1921–1923	6.0	24.1				24.2	17.2			26.0	40.4
1919–1921	—27.2	—18.6				—6.8	—10.1			—11.2	—13.0
1919–1929	0.6	19.4	105.1	38.8	136.1	38.6	43.9	44.8	17.6	56.6	77.0
1909–1919	55.9	111.4	133.4	15.4	347.2	262.7	274.8	278.4	188.5	274.0	272.7
1899–1909	63.3	49.3	163.7	84.2	1,110.9	110.9	97.2			105.8	121.1

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	5,677,251	12,019	290,911	1,569,086	$423,099,248	$1,754,158,339	$1,709,776,843	$44,381,496	$3,103,349,668	$1,349,191,329
Industrial Areas										
Los Angeles Area (coextensive with Los Angeles County) [3]	2,208,492	4,908	114,480	538,831	175,812,298	710,338,112	696,506,866	13,831,246	1,319,386,486	609,048,374
San Francisco-Oakland Area [4]	1,306,938	3,903	93,797	509,954	138,059,176	702,624,100	687,959,928	14,664,172	1,165,683,465	463,059,365
Counties [5]										
Alameda [4]	474,883	1,116	30,711	157,178	42,658,040	187,032,447	182,801,656	4,230,791	339,274,492	152,242,045
Amador	8,494	13	75	940	106,103	95,508	73,336	22,172	345,603	249,995
Butte	34,093	65	1,542	9,977	2,051,000	3,413,943	3,321,989	91,954	7,960,187	4,546,244
Colusa	10,258	14	51	592	50,650	345,513	330,235	15,278	535,262	189,749
Contra Costa [4]	78,608	113	13,029	150,274	20,477,928	219,342,693	215,428,652	3,914,041	289,458,874	70,116,181
Del Norte	4,739	6	210	1,668	259,023	90,672	88,256	2,416	535,842	445,170
Eldorado	8,325	18	752	5,846	1,104,611	548,166	469,311	78,855	2,336,973	1,788,807
Fresno	144,379	200	5,878	29,151	7,024,606	30,254,402	29,586,933	667,469	52,404,328	22,149,926
Glenn	10,935	14	69	572	85,451	1,122,939	1,091,471	31,468	1,468,994	346,055
Humboldt	43,233	83	5,832	35,333	7,976,024	8,338,856	8,072,848	266,008	22,480,249	14,141,393
Imperial	60,903	47	472	7,591	701,164	3,641,068	3,304,275	336,793	6,101,492	2,460,424
Inyo	6,555	15	339	6,078	603,002	788,393	489,778	298,615	1,824,393	1,036,000
Kern	82,570	95	1,607	17,149	2,641,772	13,452,634	12,310,731	1,141,903	21,060,205	7,607,571
Kings	25,385	43	529	3,062	669,700	5,270,709	5,155,935	114,774	7,341,590	2,070,881
Lake	7,166	8	153	584	76,903	161,010	156,021	4,989	290,362	129,352
Lassen	12,589	16	4,053	19,304	6,047,010	2,010,488	1,968,289	42,199	10,951,729	8,941,241
Los Angeles [3]	2,208,492	4,908	114,480	538,831	175,812,298	710,338,112	696,506,866	13,831,246	1,319,386,486	609,048,374
Madera	17,104	12	789	4,283	1,426,161	1,249,455	1,195,855	53,600	3,561,949	2,612,494
Marin [4]	41,648	50	785	5,661	971,796	3,098,043	2,850,552	247,497	5,749,530	2,642,481
Mendocino	23,505	40	1,804	8,901	2,641,525	986,090	966,890	19,110	5,135,357	4,149,357
Merced	36,748	35	865	11,842	1,449,440	5,385,615	5,004,281	381,334	8,582,568	3,196,953
Modoc	8,038	14	221	1,160	381,397	561,864	557,113	4,751	1,336,059	774,195
Monterey	53,705	78	2,051	16,533	2,114,117	13,145,613	12,631,526	614,087	20,858,855	7,713,242
Napa	22,897	38	530	1,955	679,422	2,786,395	2,743,241	43,154	4,310,165	1,523,770
Nevada	10,596	22	589	8,530	903,204	1,426,680	1,213,724	212,956	2,528,370	1,101,690
Orange	118,674	197	2,038	10,344	2,723,477	13,178,829	12,751,465	427,364	22,267,741	9,088,912
Placer	24,468	22	1,484	9,149	2,137,916	2,749,707	2,490,210	259,497	6,530,292	3,780,585
Plumas	7,913	16	874	3,987	1,560,866	552,741	516,143	36,598	3,534,558	2,981,817
Riverside	81,024	90	1,979	13,940	2,654,887	5,617,033	4,810,651	806,382	12,289,332	6,672,299
Sacramento	141,999	240	8,603	32,446	11,819,597	36,552,910	35,338,665	1,214,245	63,883,097	27,330,187

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fueland purchased energy		
Counties[4]—Continued										
San Benito	11,311	17	254	3,941	$319,543	$1,849,268	$1,588,262	$261,006	$2,758,007	$908,739
San Bernardino	133,900	164	5,270	62,626	7,686,386	14,606,578	11,953,544	2,653,034	35,044,528	20,437,950
San Diego[5]	209,659	300	4,239	23,340	5,706,033	20,448,124	19,524,606	923,518	37,889,079	17,440,955
San Francisco[4]	634,394	2,526	45,482	157,372	67,911,982	261,911,488	257,074,625	4,836,863	483,712,296	221,800,808
San Joaquin	102,940	180	4,185	33,061	5,513,667	20,521,189	19,607,464	913,725	37,020,323	16,499,134
San Luis Obispo	29,613	45	333	2,383	497,660	4,509,851	4,429,265	80,586	6,348,380	1,838,529
San Mateo[4]	77,405	98	3,790	39,469	6,039,440	31,239,423	29,804,443	1,434,980	47,497,273	16,257,850
Santa Barbara	65,167	90	490	4,475	817,160	1,768,728	1,644,561	124,167	4,315,217	2,546,489
Santa Clara[6]	145,118	296	10,851	29,550	10,682,386	56,717,108	55,777,747	939,361	91,092,200	34,375,092
Santa Cruz	37,433	78	1,256	18,298	1,779,138	3,548,354	2,824,448	723,906	8,374,184	4,825,830
Shasta	13,927	28	201	1,104	289,112	515,540	483,078	32,462	1,087,592	572,052
Sierra	2,422	6	567	3,658	1,025,548	435,728	411,509	24,219	1,863,281	1,427,553
Siskiyou	25,480	34	3,738	20,689	5,192,672	4,276,471	4,164,872	111,599	14,283,062	10,006,591
Solano	40,834	49	872	8,445	1,102,830	13,065,805	12,882,470	183,335	17,050,332	3,984,527
Sonoma	62,222	137	1,004	6,086	1,118,240	10,461,911	10,322,832	139,079	13,863,419	3,401,508
Stanislaus	56,641	96	1,947	10,218	2,151,487	15,053,408	14,636,226	417,182	21,742,168	6,688,760
Sutter	14,618	13	151	531	169,169	1,273,292	1,260,935	12,357	1,862,655	589,363
Tehama	13,866	20	231	1,059	305,615	458,121	423,536	34,585	1,062,264	604,143
Trinity	2,809	3	12	131	16,228	4,998	4,548	450	30,587	25,589
Tulare	77,442	84	867	5,663	963,483	5,174,811	4,999,982	174,829	8,053,916	2,879,105
Tuolumne	9,271	19	1,783	7,051	2,651,373	993,274	802,725	190,549	5,776,788	4,783,514
Ventura	54,976	56	525	9,633	805,238	8,111,459	7,870,376	241,083	11,703,553	3,592,094
Yolo	23,644	18	105	1,357	151,669	1,772,690	1,746,607	26,083	2,440,781	668,091
Yuba	11,031	19	223	2,637	180,529	1,061,754	951,296	110,458	1,800,058	738,304
All other counties[7]	10,842	15	141	4,628	213,780	840,522	330,598	509,924	2,058,891	1,218,369
Cities having 10,000 inhabitants or more[8]										
Alameda	35,033	50	1,166	11,587	1,633,309	2,824,321	2,694,409	129,912	6,635,178	3,810,857
Alhambra	29,472	43	1,217	5,027	1,622,246	4,041,804	3,900,053	141,751	7,994,951	3,953,147
Anaheim	10,995	22	177	1,607	251,494	1,820,955	1,773,887	47,068	2,682,830	861,875
Bakersfield	26,015	49	1,050	6,643	1,625,923	5,351,443	5,149,266	202,177	10,064,144	4,712,701
Berkeley	82,109	173	3,435	20,497	5,457,130	30,456,130	29,972,986	483,144	50,148,787	19,692,657
Beverly Hills	17,429	13	203	1,180	356,260	693,136	661,920	31,216	1,609,947	916,811
Brawley	10,439	8	58	1,433	88,502	151,257	70,919	80,338	655,467	504,210
Burbank	16,662	26	1,667	5,515	3,001,850	6,287,625	6,157,916	129,709	17,910,304	11,622,679
Burlingame	13,270	12	50	129	86,613	150,292	145,938	4,354	382,295	232,003
Compton	12,516	10	151	614	210,358	317,555	284,161	33,394	1,279,433	961,878
Eureka	15,752	35	1,200	6,965	1,746,067	1,730,772	1,653,404	77,368	5,265,225	3,534,453
Fresno	52,513	126	3,219	15,722	3,970,484	21,650,179	21,203,168	447,011	36,135,823	14,485,644
Fullerton	10,860	14	237	1,443	248,332	734,754	678,172	56,582	1,562,160	827,406
Glendale	62,736	118	886	3,736	1,335,819	2,425,077	2,347,542	77,535	6,262,409	3,837,332
Huntington Park	24,591	45	1,041	4,080	1,648,514	2,864,275	2,768,411	95,864	8,346,393	5,482,120
Inglewood	19,480	23	600	1,682	780,572	1,195,172	1,133,865	61,307	3,183,117	1,987,945
Long Beach	142,032	197	2,566	11,184	3,738,236	31,777,005	31,390,593	386,412	54,676,736	22,899,731
Los Angeles[9]	1,238,048	3,437	76,623	287,120	112,454,365	375,327,243	368,320,761	7,006,482	757,702,135	382,464,892
Modesto	13,842	39	837	3,178	951,632	8,665,085	8,482,032	181,653	12,597,941	3,844,256
Monrovia	10,890	17	197	683	246,797	671,263	647,837	23,426	1,358,656	687,393
Oakland[10]	284,063	738	19,096	92,136	26,130,309	115,085,451	112,452,893	2,632,558	206,659,418	91,573,967
Ontario	13,583	20	752	2,920	898,449	2,004,752	1,932,529	72,223	5,765,089	3,760,337
Palo Alto	13,652	18	369	834	480,006	1,106,284	1,076,074	30,210	2,310,495	1,204,211
Pasadena	76,086	159	1,071	4,730	1,782,317	2,329,944	2,244,689	85,255	7,029,017	4,699,073
Pomona	20,804	36	772	3,280	1,050,993	2,334,998	2,193,210	141,788	5,058,602	2,723,604
Redlands	14,177	22	117	655	160,485	217,116	201,467	15,649	640,522	423,406
Richmond	20,093	36	3,715	29,929	6,908,434	44,593,072	44,122,075	470,997	58,869,916	14,276,844
Riverside	29,696	39	885	9,450	1,477,339	1,902,900	1,336,695	566,205	4,993,487	3,090,587
Sacramento	93,750	203	7,112	27,725	10,331,139	27,346,877	26,266,106	1,080,771	60,408,778	23,061,901
Salinas	10,263	20	298	2,440	395,721	2,174,071	2,054,339	119,742	3,348,432	1,174,361
San Bernardino	37,481	51	2,023	10,835	3,044,005	3,723,071	3,547,421	175,650	8,747,143	5,024,072
San Buenaventura	11,603	18	162	970	296,953	2,206,351	2,171,749	34,602	3,189,880	983,529
San Diego[9]	147,995	253	3,836	20,407	5,230,003	17,947,572	17,108,608	838,964	34,205,183	16,257,611
San Francisco[10]	634,394	2,626	45,482	157,372	67,911,982	261,911,488	257,074,625	4,836,863	483,712,296	221,800,808
San Jose	57,651	191	6,503	16,307	6,390,799	34,949,214	34,348,659	600,555	57,210,419	22,261,205
San Mateo	13,444	16	103	706	143,153	218,142	195,061	23,081	661,463	443,321
Santa Ana	30,322	76	703	2,391	959,774	2,626,060	2,553,132	72,958	5,099,756	2,473,666
Santa Barbara	33,613	59	343	2,012	600,688	905,688	849,042	56,646	2,433,059	1,527,371
Santa Cruz	14,395	31	219	1,584	324,781	619,573	538,347	81,226	1,440,431	820,858
Santa Monica	37,146	31	1,085	3,389	1,694,035	1,329,419	1,186,887	142,532	4,356,656	3,027,237
Santa Rosa	10,636	31	199	1,350	274,639	579,501	543,444	36,057	1,377,530	798,029
South Gate	19,632	19	404	1,841	666,580	1,721,999	1,687,234	34,765	3,220,839	1,498,840
South Pasadena	13,730	18	56	284	82,117	121,520	109,120	12,400	388,127	266,607
Stockton	47,963	124	2,965	26,286	3,934,417	12,645,060	11,936,236	708,824	25,118,469	12,473,409
Whittier	14,822	19	137	409	208,640	460,032	438,885	21,147	1,103,716	643,684

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] For statistics by industries for this area, see Table 13.
[4] The San Francisco-Oakland Industrial Area comprises Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties. For statistics by industries for the area and for Alameda and San Francisco Counties, see Table 13.
[5] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
[6] For statistics by industries for this county, see Table 13.
[7] Calaveras, Mariposa, and Mono Counties. (See footnote 5.) No manufacturing reported from Alpine County.
[8] Not including San Leandro and Vallejo, each of which cities reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments.
[9] For statistics by industries for this city, see Table 14.
[10] For statistics by industries for San Francisco City (coextensive with San Francisco County), see Table 13.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	362,028	295,750	66,278	9,099	8,633	466	[2] 5,781	[2] 5,405	[2] 376	[2] 56,237	[2] 42,013	[2] 14,224	290,911	[3] 239,699	[3] 51,212
1919 [1, 4]	296,858	248,940	47,918	12,452	11,912	540	3,456	3,271	185	37,258	27,188	10,070	243,692	206,569	37,123
1914 [4]	176,547	151,532	25,015	10,429	10,027	402	2,790	2,677	113	23,847	19,527	4,320	139,481	119,301	20,180
1909	141,576	123,929	17,647	8,077	7,826	251	2,103	2,036	67	16,100	13,103	2,997	115,296	100,964	14,332

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 1,153; male, 1,125; female, 28. Other salaried officers and employees—total, 10,535; male, 6,794; female, 3,741. The corresponding data for 1919 and earlier years are included in the respective items for those years but can not be given separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14, 1929. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	290,911	*257,824*	261,434	273,078	292,694	280,786	292,001	308,767	335,949	328,194	309,787	287,161	263,757	76.6
1919 [1]	243,692	231,968	*220,158*	223,632	233,033	241,639	249,880	275,146	**282,312**	276,678	244,813	223,216	221,849	78.0
1914 [1]	139,481	*119,688*	121,611	126,749	135,252	140,981	144,762	157,054	**161,072**	159,574	152,431	132,945	121,653	74.3
1909 [1]	115,296	94,747	*94,252*	100,372	108,437	115,839	119,911	124,886	131,202	**132,280**	129,864	121,486	110,281	71.3

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	12,019	290,911	45 and over but under 48	448	13,375
			48	3,647	116,684
Not reported	1,828	4,146	Over 48 but under 54	497	15,920
Under 40	152	981	54	729	27,022
40	182	6,582	Over 54 but under 60	388	14,435
Over 40 but under 44	65	1,253	60 and over	465	22,961
44 and over but under 45	3,618	67,552			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	12,019	11,942	7,659	290,911	243,692	115,296	51 to 100	527	341	212	37,348	24,495	15,374
							101 to 250	386	252	134	58,540	40,065	19,873
No wage earners	488	1,586	882				251 to 500	113	81	56	38,814	28,509	20,103
1 to 5	6,176	6,484	4,123	16,004	14,210	9,844	501 to 1,000	53	30	14	34,658	20,508	9,092
6 to 20	3,109	2,266	1,708	33,441	24,772	18,672	1,001 to 2,500	23	22	4	[1] 35,703	62,670	5,484
21 to 50	1,143	880	526	36,403	28,463	16,854	2,501 and over	1					

[1] Combined to avoid disclosing the number of wage earners reported by 1 establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	12,019	11,942	7,659	290,911	243,692	115,296	$3,103,349,668	$1,981,204,701	$529,760,528	$1,349,191,329	$762,346,183	$204,522,454
Less than $5,000	(2)	2,451	2,169	(2)	1,313	2,067	(2)	6,695,096	5,610,748	(2)	4,408,637	3,795,464
$5,000 to $19,999	4,459	4,331	2,785	9,642	9,880	10,279	50,525,601	46,262,857	29,208,047	31,887,602	27,334,729	17,546,524
$20,000 to $99,999	4,424	3,232	1,867	32,391	28,562	24,913	205,832,032	144,251,658	82,114,420	119,863,708	72,753,035	40,743,591
$20,000 to $49,999	2,792	(3)	(3)	14,573	(3)	(3)	89,656,943	(3)	(3)	53,679,882	(3)	(3)
$50,000 to $99,999	1,632	(3)	(3)	17,818	(3)	(3)	116,175,089	(3)	(3)	66,183,826	(3)	(3)
$100,000 to $499,999	2,139	1,326	767	65,154	48,480	53,128	465,103,702	296,916,876	210,723,384	242,169,591	129,753,310	86,922,761
$100,000 to $249,999	1,476	(3)		34,139	(4)		232,344,551	(3)		125,163,899	(3)	
$250,000 to $499,999	663	(3)		31,015	(3)		232,759,151	(3)		117,005,692	(3)	
$500,000 to $999,999	485	275		41,753	24,765		338,931,524	189,644,193		157,701,651	73,247,289	
$1,000,000 and over	512	327	71	141,971	130,692	24,909	2,042,956,809	1,297,434,021	202,103,929	797,568,777	454,849,183	55,514,114
$1,000,000 to $2,499,999	322	(3)	(3)	55,475	(3)	(3)	497,026,339	(3)	(3)	223,797,606	(3)	(3)
$2,500,000 to $4,999,999	119	(3)	(3)	38,542	(3)	(3)	396,002,327	(3)	(3)	169,669,627	(3)	(3)
$5,000,000 and over	71	(3)	(3)	47,954	(3)	(3)	1,149,928,143	(3)	(3)	404,101,544	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	12,019	11,942	290,911	243,692	$3,103,349,668	$1,981,204,701	$1,349,191,329	$762,346,183
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	4,603	3,132	244,153	199,538	2,763,469,654	1,646,355,622	1,179,137,790	638,935,302
Other forms of ownership or control (individual, partnership, etc.)	7,416	8,810	46,758	44,154	339,880,014	334,849,079	170,053,539	123,410,881
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	1,424	(1)	140,023	(1)	1,887,195,895	(1)	736,428,042	(1)
Independent (single-unit)	10,595	(1)	150,888	(1)	1,216,153,773	(1)	612,763,287	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	1,569,086	338,629	1,765	147,789	636	148,843	409	31,875	36	10,122	133,875	1,230,457	10,358	163,243
1927	1,339,695	297,772	1,338	146,197	503	114,598	413	26,146	34	10,531	103,531	1,041,923	9,789	145,602
1925	1,133,310	238,536	1,396	140,655	298	87,713	429	22,243	64	7,925	84,798	874,774	7,835	125,582
1919 [1]	765,168	243,980	2,667	179,220	123	32,036	1,053	25,020	110	7,704	51,070	521,188	3,956	51,096
1914 [1]	489,493	230,759	[2] 2,323	[2] 207,695	(3)	(3)	877	15,614	112	7,450	23,745	258,734	2,295	32,610
Industrial Areas														
Los Angeles Area (coextensive with Los Angeles County)	538,831	81,005	709	31,879	261	30,252	175	18,874			54,904	457,826	1,383	23,360
San Francisco—Oakland Area [4]	509,954	70,717	321	[5] 32,739	213	35,653	68	2,325	1	(5)	48,057	439,237	1,587	18,537
Counties in which aggregate horsepower exceeded 25,000: 1929														
Alameda	157,178	18,289	80	13,463	22	4,141	23	685			16,299	138,889	180	2,321
Contra Costa	150,274	30,332	121	6,321	161	23,090	21	921			5,140	119,942	1,363	15,751
Fresno	29,151	9,413	58	3,118	11	5,491	16	804			2,438	19,738	325	8,125
Humboldt	35,333	30,207	57	6,017	18	24,172	3	18			581	5,126	1,646	32,773
Los Angeles	538,831	81,005	709	31,879	261	30,252	175	18,874			54,904	457,826	1,383	23,360
Sacramento	32,446	4,001	27	3,269	20	718	3	14			3,203	28,445		
San Bernardino	62,626	14,899	33	3,594	11	9,193	9	1,812			3,020	47,727	837	8,075
San Francisco	157,372	19,094	80	[5] 10,460	24	8,163	18	471	1	(5)	24,118	138,278	37	335
San Joaquin	33,061	9,619	28	6,264	9	3,095	4	260			2,114	23,442	133	4,945
San Mateo	39,469	1,575	24	[6] 1,490	1	(6)	3	85			2,159	37,894	7	130
Santa Clara	29,550	4,261	38	3,102	8	491	12	668			3,836	25,289	1	10

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] The San Francisco-Oakland Industrial Area comprises Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties.
[5] Items for water wheels and water turbines included with those for steam engines to avoid disclosing data for a single establishment.
[6] Items for steam turbines included with those for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which soparate figures are given in Table 2. See footnotes 6 and 7 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	1,569,086	338,629	1,230,457	168,243
Alameda	157,178	18,289	138,889	2,321
Amador	940	345	595	
Butte	9,977	3,800	6,177	1,000
Colusa	592	300	292	
Contra Costa	150,274	30,332	119,942	15,751
Del Norte	1,668	1,616	52	(2)
Eldorado	5,846	4,340	1,506	3,885
Fresno	29,151	9,413	19,738	8,125
Glenn	572	80	492	
Humboldt	35,333	30,207	5,126	32,773
Imperial	7,591	430	7,161	
Inyo	5,078	270	4,808	
Kern	17,149	1,944	15,205	9
Kings	3,062	569	2,493	
Lake	584	485	99	400
Lassen	19,304	17,590	1,714	18,994
Los Angeles	538,831	81,005	457,826	23,360
Madera	4,283	2,455	1,828	804
Marin	5,661	1,427	4,234	
Mendocino	8,901	8,229	672	4,150
Merced	11,842	2,660	9,182	
Modoc	1,160	1,075	85	
Monterey	16,533	7,098	9,435	4,768
Napa	1,955	90	1,865	
Nevada	8,530	5,721	2,809	1,218
Orange	10,344	3,400	6,944	1,515
Placer	9,149	110	9,039	
Plumas	3,987	3,115	872	481
Riverside	13,940	9,161	4,779	17,846
Sacramento	32,446	4,001	28,445	
San Benito	3,941	155	3,786	70
San Bernardino	62,626	14,899	47,727	8,075
San Diego	23,340	3,323	20,017	554
San Francisco	157,372	19,094	138,278	335
San Joaquin	33,061	9,619	23,442	4,945
San Luis Obispo	2,383	674	1,709	
San Mateo	39,469	1,575	37,894	130
Santa Barbara	4,475	1,432	3,043	228
Santa Clara	29,550	4,261	25,289	(2)
Santa Cruz	18,298	550	17,748	22
Sbasta	1,104	414	690	
Sierra	3,658	3,657	1	1,136
Siskiyou	20,689	12,642	8,047	11,610
Solano	8,445	746	7,699	
Sonoma	6,086	477	5,609	
Stanislaus	10,218	756	9,462	433
Sutter	531	72	459	
Tehama	1,059	218	841	
Trinity	131	130	1	
Tulare	5,663	1,968	3,695	
Tuolumne	7,051	3,960	3,091	2,250
Ventura	9,653	6,956	2,697	1,095
Yolo	1,357	4	1,353	
Yuba	2,437	1,044	1,393	
All other counties	4,628	446	4,182	

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not sbown separately to avoid disclosing data for individual establisbments.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in tbis table cover tbe consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Cbapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	34,987	$273,361	37,953	48,828	121,567	36,952	48,117
Antbracite (tons, 2,240 lbs.)	2,057	20,218	(3)	2,562	4,002	2,000	4,421
Bituminous (tons, 2,000 lbs.)	32,683	253,143	(3)	45,959	117,085	34,712	43,165
Coke (tons, 2,000 lbs.)	87,790	996,612	(4)	(4)	194,643	97,386	113,665
Fuel oils, including crude oils and gas oils (gallons) [5]	863,667,742	18,687,370	(4)	(4)	608,717,970	561,102,276	373,086,630
Gasoline and kerosene (gallons) [5]	2,345,825	336,770	(4)	(4)	14,053,284		
Gas, natural (M cu. ft.)	50,859,687	7,184,936	(4)	(4)	7,587,674	3,318,379	302,548
Gas, manufactured (M cu. ft.)	7,167,431	1,550,233	(4)	(4)			
Other fuels		277,369	(4)	(4)	(4)	(4)	(4)
Electric energy purcbased (kilowatt-hours)	1,601,102,481	19,761,489	(6)	(4)	(4)	(4)	(4)
			Cost	Cost	Cost	Cost	Cost
Total cost of fuel and purcbased energy		[7] 49,068,140	$46,954,896	(8)	$37,726,290	$15,435,258	$13,077,882

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between tbis total and tbe corresponding one given in Tables 1, 2, and 12 is due to tbe inclusion bere of tbe cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	12,019	[3] 62,018	290,911	338,629	1,230,457	[3] 184,048,164	423,099,248	1,709,776,843	44,381,496	3,103,349,668	1,349,191,329
Agricultural implements	18	235	1,138	135	3,327	517,433	1,321,756	3,084,401	62,761	7,924,367	4,777,205
Aircraft and parts	21	310	1,277	2	860	647,126	1,972,250	2,139,771	30,044	4,987,899	2,818,084
Alcohol, ethyl, and distilled liquors	4	32	120	1,405	1,211	100,755	191,674	1,130,284	107,773	2,311,280	1,073,223
Aluminum manufactures	14	34	180	-------	511	81,631	283,683	368,938	17,967	983,219	596,314
Artificial and preserved flowers and plants	6	8	88	-------	37	45,679	79,697	123,000	1,933	349,102	224,169
Artists' materials	4	2	10	-------	27	(4)	12,199	14,422	428	42,951	28,101
Awnings, tents, sails, and canvas covers	85	107	447	-------	425	237,097	596,752	1,543,329	11,045	3,056,149	1,501,775
Bags, other than paper, not made in textile mills	10	122	737	-------	789	320,459	679,656	9,295,193	19,178	11,210,537	1,896,166
Belting, leather	10	35	60	-------	116	92,872	106,387	412,141	4,553	861,169	444,475
Beverages	186	361	1,130	3,031	5,623	810,040	1,778,181	4,451,054	189,738	12,337,317	7,696,525
Blacking, stains, and dressings	12	30	41	-------	186	62,424	41,410	218,958	2,555	499,526	278,013
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	5	30	173	-------	368	127,562	226,575	656,646	9,565	1,328,605	662,394
Bookbinding and blank-book making	56	239	935	-------	1,087	580,606	1,266,094	1,669,267	25,859	5,611,616	3,916,490
Boots and shoes, other than rubber	12	101	661	-------	680	209,425	1,026,352	1,466,791	14,221	3,094,791	1,613,779
Boxes, cigar, wooden	4	5	60	-------	117	17,500	57,573	64,737	2,694	188,488	121,057
Boxes, paper, not elsewhere classified	38	250	1,482	-------	3,109	698,184	1,733,250	5,745,846	61,423	10,264,694	4,467,425
Boxes, wooden, except cigar hoxes	44	134	1,437	730	8,024	356,469	1,850,608	5,799,536	93,256	10,024,446	4,131,654
Bread and other bakery products	1,361	1,204	11,395	1,406	26,937	2,861,307	17,260,121	42,957,635	1,321,023	88,147,253	43,868,595
Brooms	19	26	145	-------	96	40,762	160,518	330,118	2,769	683,004	350,117
Brushes, other than rubber	8	25	108	-------	85	67,958	133,703	331,491	3,147	709,161	374,523
Butter	92	258	1,092	427	6,494	495,347	1,543,499	30,108,205	398,375	36,421,103	5,914,523
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	39	288	4,319	592	8,095	843,843	3,335,194	18,988,661	277,346	29,534,081	10,268,074
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	389	1,772	28,186	4,082	35,057	4,264,830	23,462,511	137,081,079	1,237,046	220,465,391	82,147,266
Car and general construction and repairs, electric-railroad repair shops	18	118	2,559	-------	6,661	291,468	3,949,573	1,603,478	64,446	6,953,922	4,285,998
Car and general construction and repairs, steam-railroad repair shops	66	1,019	13,838	5,589	30,729	2,429,152	21,367,194	15,989,373	1,076,420	40,875,914	23,810,121
Carbon paper and inked ribbons	4	7	18	-------	55	17,176	22,381	98,708	1,558	186,756	86,490
Carpets and rugs, rag	12	9	94	-------	152	25,312	124,880	58,846	4,292	374,178	311,040
Caskets, coffins, burial cases, and other morticians' goods	23	78	390	-------	1,024	235,326	659,386	1,581,760	14,581	3,264,452	1,668,111
Cement	12	246	2,295	16,215	79,480	673,982	3,576,365	4,438,998	5,067,549	22,103,617	12,597,070
Cereal preparations	9	19	102	-------	604	55,024	133,816	639,084	16,102	1,749,115	1,093,929
Cheese	37	43	181	142	1,034	93,129	333,289	2,861,673	51,017	4,108,527	1,195,837
Chemicals, not elsewhere classified	48	473	2,152	2,037	26,438	1,189,058	3,438,495	9,994,365	1,822,924	24,636,002	12,818,713
Chocolate and cocoa products, not including confectionery	6	52	254	75	3,368	167,632	316,238	3,638,695	62,714	5,494,274	1,792,865
Clay products (other than pottery) and nonclay refractories	112	462	4,983	1,120	26,619	1,225,099	6,137,625	2,340,447	1,870,348	18,829,054	14,618,259
Cleaning and polishing preparations	34	63	87	-------	292	100,238	115,931	411,659	4,563	962,474	546,252
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	88	224	2,267	-------	506	573,919	2,659,321	4,068,420	33,421	9,158,860	5,057,019
Clothing, women's, not elsewhere classified	305	901	7,165	-------	1,371	1,976,508	8,328,318	20,328,960	97,692	38,577,296	18,150,644
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	26	226	1,888	80	766	458,141	1,874,843	4,269,608	22,091	7,884,274	3,592,575
Coffee and spice, roasting and grinding	83	375	688	167	4,282	1,269,583	982,276	37,946,851	130,992	46,874,428	8,796,585
Compressed and liquefied gases	24	229	215	276	3,818	450,480	334,651	973,657	176,835	3,514,556	2,364,064
Concrete products	171	233	1,561	265	5,529	655,481	2,372,861	3,010,251	72,454	8,715,404	5,632,699
Condensed and evaporated milk	40	106	588	2,059	6,612	239,009	812,470	14,699,788	348,928	17,542,160	3,093,444
Confectionery	226	380	2,815	118	3,873	957,681	2,780,567	9,214,573	165,938	17,625,929	8,245,418
Cooperage	14	30	299	390	1,292	103,507	486,409	1,813,383	22,339	2,759,630	923,908
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	264	404	1,701	9	2,708	953,370	2,652,637	5,667,077	62,309	12,313,389	6,684,003
Cordage and twine	5	54	350	400	836	179,484	347,899	1,604,396	22,512	2,776,190	1,149,482
Cotton goods	8	66	1,153	-------	6,335	159,157	1,238,715	3,790,137	195,427	6,406,413	2,420,849
Cotton small wares	3	10	30	-------	31	11,943	23,364	22,956	588	81,485	57,941
Cutlery (not including silver and plated cutlery) and edge tools	7	2	23	-------	117	(4)	38,886	24,152	2,799	102,956	76,005
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	15	32	105	-------	265	64,026	129,174	360,431	4,446	650,160	285,283
Doors, shutters, and window sash and frames, metal	16	133	612	-------	1,645	375,627	1,020,936	1,397,234	26,316	3,546,617	2,123,067
Druggists' preparations	22	71	162	-------	190	166,029	179,947	653,173	11,300	1,752,705	1,088,232
Dyeing and finishing textiles	12	62	181	-------	516	162,032	256,111	974,762	17,906	1,769,111	776,443
Electrical machinery, apparatus, and supplies	138	1,147	4,353	50	11,982	2,669,989	6,609,273	20,648,611	329,023	42,130,952	21,153,318
Electroplating	62	58	345	15	3,371	119,800	623,243	233,232	40,663	1,578,162	1,304,267
Embroideries	14	7	77	-------	20	9,545	88,063	60,555	1,666	310,964	248,743
Engines, turbines, tractors, and water wheels	15	832	2,486	300	12,739	2,159,554	4,210,161	8,540,074	200,701	19,978,060	11,237,285
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	11	12	46	-------	32	19,356	74,966	51,967	1,348	278,809	225,494
Engraving, steel and copperplate, and plate printing	42	74	261	-------	267	146,175	348,036	354,378	6,335	1,282,159	921,446
Envelopes	9	82	398	-------	462	195,581	482,086	1,084,661	10,431	2,411,969	1,316,977
Fancy and miscellaneous articles, not elsewhere classified	55	104	701	-------	213	244,737	618,960	1,161,283	9,806	2,712,641	1,541,552
Feeds, prepared, for animals and fowls	68	343	732	107	10,803	765,382	1,051,114	23,988,377	169,037	29,387,296	5,229,882
Fertilizers	21	101	302	270	3,146	322,114	390,970	3,595,281	68,398	6,517,940	1,864,261
Flags and banners	7	12	35	-------	23	34,384	42,420	100,163	1,349	276,551	175,039
Flavoring extracts and flavoring sirups	59	145	362	230	1,039	361,022	509,102	2,618,926	32,242	6,109,684	3,458,516
Flour and other grain-mill products	54	345	719	315	11,313	767,747	1,118,207	27,514,691	247,988	32,864,893	5,102,213
Food preparations, not elsewhere classified	138	208	936	-------	1,630	472,523	982,679	5,679,760	85,238	9,660,987	3,895,989
Forgings, iron and steel, not made in plants operated in connection with rolling mills	8	36	197	130	2,876	103,763	389,641	1,428,023	88,680	2,875,055	1,368,352
Foundry and machine-shop products, not elsewhere classified	679	3,387	17,186	2,164	65,744	9,291,740	28,978,483	45,832,367	1,967,534	121,312,684	73,612,683
Fur goods	86	71	383	-------	151	199,696	657,396	2,124,760	9,634	3,831,513	1,697,129

See footnotes at end of this table, p. 68.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Furnishing goods, men's, not elsewhere classified	15	117	612	----	162	256,814	644,670	2,631,456	7,428	4,531,611	1,892,727
Furniture, including store and office fixtures	339	1,213	7,931	61	19,117	3,258,611	12,165,336	19,876,784	259,044	44,996,183	24,860,355
Furs, dressed	3	----	12	----	41	----	19,855	19,664	662	70,616	50,290
Galvanizing and other coating, not done in plants operated in connection with rolling mills	10	14	78	----	164	29,859	109,464	217,176	22,063	485,026	245,787
Gas and electric fixtures; lamps, lanterns, and reflectors	83	236	977	----	1,140	728,234	1,531,759	2,282,648	33,000	5,969,188	3,653,640
Gas machines, gas meters, and water and other liquid meters	6	78	193	----	582	181,922	285,281	447,928	11,167	1,308,437	849,342
Gas, manufactured, illuminating and heating	38	713	2,044	27,484	23,185	1,197,735	2,450,390	2,941,197	4,165,921	26,230,647	19,123,529
Glass	16	243	1,626	960	6,774	635,579	2,531,757	1,946,751	658,474	9,680,008	7,174,783
Glass products (except mirrors) made from purchased glass	25	23	111	----	120	62,358	178,703	210,133	8,944	599,863	380,786
Gloves and mittens, leather	17	46	292	----	72	112,863	287,518	458,032	3,288	1,053,279	691,959
Glue and gelatin	5	11	85	134	506	35,985	120,109	549,477	30,216	818,775	239,082
Gold leaf and foil	6	1	15	----	3	(4)	16,539	23,619	30	64,199	40,650
Gold, silver, and platinum, reducing and refining, not from the ore	7	29	33	----	184	65,673	52,912	1,141,739	6,373	1,362,480	215,368
Grease and tallow, not including lubricating greases	19	45	323	225	2,519	112,744	488,311	2,642,701	85,740	3,905,864	1,177,423
Hair work	5	----	21	17	----	----	37,239	34,847	846	140,914	105,221
Hand stamps and stencils and brands	27	57	249	----	561	140,731	338,348	244,116	7,942	1,057,894	805,836
Hardware not elsewhere classified	27	112	420	1	781	287,141	521,925	666,097	19,110	1,969,154	1,383,947
Hats and caps, except felt and straw, men's	32	31	234	----	69	71,084	306,062	632,256	4,357	1,235,525	598,312
Hats, fur-felt	6	18	72	----	52	37,951	100,458	375,563	4,345	650,335	270,427
House-furnishing goods, not elsewhere classified	89	162	791	----	777	325,412	864,111	2,573,183	27,439	4,759,569	2,158,947
Ice cream	194	317	1,050	97	10,086	712,207	1,650,856	8,288,430	300,726	18,979,060	10,389,904
Ice, manufactured	223	363	1,842	9,881	71,538	967,654	2,875,231	477,952	1,950,517	14,448,732	12,020,263
Ink, printing	6	42	129	----	1,651	101,212	184,784	1,040,955	29,714	1,496,997	426,328
Instruments, professional and scientific	14	19	90	----	155	61,192	136,894	113,628	3,213	419,785	303,544
Iron and steel, processed	5	5	13	----	115	13,944	27,686	31,843	8,452	144,373	104,078
Iron and steel: Steel works and rolling mills	19	589	6,616	100	73,860	1,961,307	10,837,585	13,615,088	2,432,977	34,846,395	18,798,330
Ivory, shell, and bone work, not including buttons, combs, or hairpins	3	9	71	----	132	19,833	81,603	75,717	3,247	224,238	145,274
Jewelry	111	139	699	----	648	262,531	1,151,244	1,585,890	13,556	4,244,741	2,645,295
Jewelry and instrument cases	4	1	12	----	15	(4)	16,237	21,117	242	80,735	59,376
Knit goods	48	205	1,834	217	930	731,260	2,048,776	4,519,342	46,858	10,302,739	5,736,539
Labels and tags	8	37	169	----	340	172,658	278,461	355,017	9,176	1,133,629	769,436
Leather goods, not elsewhere classified	26	36	152	1	107	70,306	165,677	428,422	3,738	817,099	384,939
Leather: Tanned, curried, and finished	10	52	504	882	2,825	208,083	687,553	3,079,762	67,014	4,410,843	1,264,067
Lime	7	17	144	----	1,948	46,149	193,293	160,203	96,635	679,382	422,544
Liquors, vinous	15	34	145	182	851	209,883	218,451	380,541	23,983	1,735,598	1,331,074
Lithographing	15	274	926	10	2,432	888,422	1,706,756	2,431,319	44,843	7,061,777	4,585,615
Lubricating oils and greases, not made in petroleum refineries	13	35	65	----	288	72,674	89,958	410,939	10,352	970,792	549,501
Lumber and timber products, not elsewhere classified	148	1,406	21,822	105,352	17,937	3,768,787	32,465,404	10,318,763	545,800	65,197,608	54,333,045
Macaroni, spaghetti, vermicelli, and noodles	57	98	361	66	2,370	217,290	461,126	1,878,732	74,923	3,547,069	1,593,414
Machine-tool accessories and small metal-working tools, not elsewhere classified	25	40	236	----	614	111,631	398,779	208,642	9,723	1,058,550	840,185
Marble, granite, slate, and other stone products	65	175	927	390	8,433	535,973	1,742,556	2,199,690	92,790	6,114,588	3,822,108
Mattresses and bed springs, not elsewhere classified	65	166	1,333	----	3,381	387,415	1,733,540	4,729,244	60,491	9,606,015	4,816,280
Meat packing, wholesale	94	1,066	3,858	2,582	12,029	3,074,935	6,084,433	119,327,851	544,143	139,049,822	19,177,828
Millinery	92	329	2,702	----	462	719,173	2,681,360	4,495,668	44,279	10,651,799	6,111,852
Minerals and earths, ground or otherwise treated	9	60	132	----	3,017	166,411	201,912	651,493	65,957	1,596,436	878,986
Mirror and picture frames	12	27	194	----	236	45,850	273,869	275,972	4,204	845,792	565,616
Mirrors, framed and unframed	36	39	249	7	699	116,486	467,273	905,324	18,827	2,031,037	1,106,886
Models and patterns, not including paper patterns	52	38	278	----	801	76,859	532,003	235,830	11,607	1,253,933	1,006,496
Motion pictures, not including projection in theatres	58	7,117	8,052	6,425	38,634	52,514,220	19,533,302	25,007,630	491,260	129,391,172	103,892,282
Motor-vehicle bodies and motor-vehicle parts	94	289	2,170	----	4,012	832,128	3,350,606	10,488,576	97,315	16,957,054	6,371,163
Motor vehicles, not including motorcycles	23	755	5,443	500	6,807	1,999,807	7,916,949	82,343,203	229,052	138,316,167	55,743,912
Mucilage, paste, and other adhesives, except glue and rubber cement	9	8	20	8	15	23,749	25,182	239,903	1,584	441,841	200,354
Musical instruments and parts and materials, not elsewhere classified	9	12	82	----	118	28,527	104,523	49,226	1,708	276,077	225,143
Musical instruments: Organs	6	16	107	----	335	74,461	172,680	104,374	5,332	584,858	475,152
Nonferrous-metal alloys and products, not including aluminum products	70	215	1,028	25	3,043	646,692	1,580,833	6,273,535	145,556	10,587,942	4,168,851
Oil, cake, and meal, cottonseed	8	49	165	----	4,422	153,004	198,702	2,865,407	93,421	5,142,500	2,183,672
Oils, not elsewhere classified	14	111	485	155	6,922	307,237	898,117	18,212,063	240,508	21,235,290	2,782,719
Oleomargarine, not made in meat-packing establishments	8	35	103	----	383	62,624	183,448	1,565,703	17,987	2,356,006	772,226
Optical goods	5	11	33	----	22	17,969	53,812	146,818	884	367,057	219,355
Paints and varnishes	82	650	1,414	30	9,756	1,588,775	2,198,041	15,859,080	256,607	26,393,866	10,278,179
Paper	12	243	1,763	17,020	27,928	595,276	2,701,135	8,148,823	1,151,336	17,136,402	7,836,243
Paper goods, not elsewhere classified	14	51	194	----	774	163,505	284,927	1,757,519	22,508	2,896,360	1,116,333
Patent or proprietary medicines and compounds	117	347	649	60	2,067	1,013,235	794,622	4,467,528	48,138	10,215,968	5,700,302
Paving materials: Asphalt, tar, crushed slag, and mixtures	5	9	28	----	386	13,516	56,378	434,441	9,685	768,829	324,703
Peanuts, walnuts, and other nuts, processed or shelled	43	112	673	7	2,149	181,653	646,997	9,574,962	26,521	12,177,938	2,576,455
Perfumes, cosmetics, and other toilet preparations	55	120	203	----	206	310,833	197,910	1,123,951	4,812	3,094,169	1,965,406
Petroleum refining	54	2,039	8,133	60,780	85,621	4,850,929	16,096,007	357,319,104	3,643,357	484,756,207	123,793,746
Photo-engraving, not done in printing establishments	54	219	558	----	694	675,772	1,373,311	402,170	37,543	3,702,806	3,263,093
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	397	1,032	7,159	17,828	65,749	2,571,802	11,087,017	29,815,618	528,308	50,562,173	20,218,247

See footnotes at end of this table p. 68.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	13	174	1,282	-------	5,699	368,991	1,894,129	1,879,541	195,017	6,119,779	4,045,221
Pocketbooks, purses, and cardcases	11	14	107	-------	14	47,117	118,040	247,276	965	491,327	243,086
Pottery, including porcelain ware	21	93	1,068	-------	2,831	274,247	1,417,298	800,809	206,961	4,325,612	3,317,842
Poultry killing, dressing, and packing, wholesale	24	89	299	-------	325	223,831	345,172	5,999,472	13,948	7,225,264	1,211,844
Printing and publishing, book and job	951	1,987	6,535	14	9,631	5,009,699	11,889,309	14,470,932	320,606	49,321,084	34,529,546
Printing and publishing, music	4	31	24	-------	41	139,452	35,385	19,154	760	377,374	357,460
Printing and publishing, newspaper and periodical	755	11,329	6,876	78	18,128	21,265,357	14,239,754	19,872,362	619,387	94,655,488	74,263,739
Printing materials, not including type or ink	4	13	7	-------	43	26,807	10,677	50,159	1,987	141,237	89,091
Pumps (hand and power) and pumping equipment	57	707	1,988	185	7,258	1,684,912	3,237,377	6,810,694	152,204	17,178,076	10,215,178
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	21	88	440	-------	1,187	178,345	766,874	1,552,389	17,763	3,196,676	1,626,624
Rice cleaning and polishing	11	39	209	300	4,453	109,046	300,170	6,253,756	67,540	8,024,130	1,702,834
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint	10	78	492	-------	2,147	185,292	567,871	4,794,809	104,281	10,155,956	6,256,866
Rubber goods other than tires, inner tubes, and boots and shoes	28	149	942	-------	14,133	539,402	1,269,974	2,846,634	279,619	7,437,074	4,310,821
Rubber tires and inner tubes	7	1,004	5,339	2,305	38,006	2,330,714	8,171,784	32,870,189	847,934	66,287,838	22,569,715
Saddlery and harness	7	23	79	-------	77	61,398	115,225	246,916	2,567	464,357	214,874
Salt	11	55	441	1,350	4,169	190,463	657,863	946,864	141,703	3,668,108	2,579,541
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	68	45	275	21	1,045	130,680	410,874	2,916,622	41,483	4,282,271	1,324,166
Screw-machine products and wood screws	9	7	61	-------	331	12,760	84,024	123,010	4,850	323,332	195,472
Ship and boat building, steel and wooden, including repair work	60	421	4,178	684	50,479	762,474	7,805,457	7,681,388	334,492	20,665,345	12,649,465
Shirts	18	66	938	-------	399	142,635	860,491	1,951,191	8,538	3,436,720	1,476,991
Signs and advertising novelties	98	290	868	-------	425	575,526	1,501,263	1,380,093	29,549	7,221,151	6,811,509
Silversmithing and silverware	6	6	41	-------	57	12,642	56,682	52,712	1,424	196,405	142,269
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	6	82	301	150	2,184	270,552	415,841	4,602,057	109,266	5,856,788	1,145,466
Soap	33	372	623	748	3,586	946,074	845,156	10,628,949	118,019	19,842,049	9,095,081
Soda-water apparatus	3	5	20	-------	26	17,085	36,018	91,721	516	195,329	103,092
Sporting and athletic goods, not including firearms or ammunition	12	11	42	-------	51	33,476	56,807	121,787	3,311	291,652	166,554
Springs, steel, except wire, not made in plants operated in connection with rolling mills	8	38	162	-------	857	97,187	238,973	293,516	25,966	948,544	629,062
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	23	94	593	-------	1,058	275,364	759,308	1,186,044	54,488	3,123,202	1,882,670
Stationery goods, not elsewhere classified	9	28	106	-------	173	56,495	136,195	236,629	6,233	822,071	580,209
Statuary and art goods, factory product	25	26	181	3	140	61,149	315,960	204,702	4,937	870,955	661,316
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	13	65	218	-------	1,296	130,934	307,914	551,855	67,828	1,448,848	839,165
Steel barrels, kegs, and drums	6	103	698	-------	2,292	242,168	872,834	3,519,381	29,685	5,520,997	1,971,931
Stereotyping and electrotyping, not done in printing establishments	7	37	143	-------	505	107,851	294,557	72,013	15,330	782,360	696,017
Stoves and ranges (other than electric) and warm-air furnaces	61	453	1,661	330	3,958	1,155,451	2,631,076	4,764,790	115,556	12,022,390	7,142,045
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	136	324	1,973	140	7,458	936,275	3,267,298	6,318,548	119,304	13,829,223	7,391,371
Sugar, beet	6	96	707	16,791	1,073	234,851	1,009,687	6,392,811	569,045	11,211,474	4,269,618
Surgical and orthopedic appliances, including artificial limbs	29	45	159	-------	88	95,562	212,375	266,324	6,022	842,393	571,047
Theatrical scenery and stage equipment	7	22	67	-------	65	89,342	131,132	263,841	3,010	670,625	403,674
Tools, not including edge tools, machine tools, files, or saws	20	22	171	-------	614	74,662	266,755	182,396	17,279	991,370	791,695
Toys (not including children's wheel goods or sleds), games, and playground equipment	16	32	147	-------	190	66,202	150,254	219,647	4,982	661,994	437,365
Trimmings (not made in textile mills) and stamped art goods for embroidering	24	20	172	2	64	47,098	202,729	216,428	6,055	681,761	459,268
Trunks, suitcases, and bags	42	86	436	-------	300	224,921	550,887	1,217,048	10,684	2,578,598	1,360,866
Upholstering materials, not elsewhere classified	5	7	47	50	87	13,831	65,730	281,076	3,760	447,970	163,134
Vinegar and cider	12	14	71	-------	480	19,855	79,729	301,023	16,394	542,548	225,131
Wall plaster, wall board, insulating board, and floor composition	39	106	291	650	4,499	268,065	621,260	1,632,897	135,071	3,212,007	1,444,039
Washing machines, wringers, driers, and ironing machines, for household use	5	19	64	-------	169	36,115	111,613	144,766	2,803	313,722	166,153
Waste	6	6	66	-------	303	25,960	44,512	393,486	9,980	529,535	126,069
Window and door screens and weather strip	19	47	218	-------	1,001	130,148	314,522	547,468	7,640	1,318,735	763,627
Window shades and fixtures	60	49	207	-------	143	87,374	269,768	978,917	5,598	1,798,447	813,932
Wirework, not elsewhere classified	30	123	571	-------	2,239	341,607	756,608	3,272,951	34,584	6,540,496	3,232,961
Wood preserving	10	29	325	5,570	822	64,894	447,403	5,345,081	95,235	6,232,330	792,014
Wood turned and shaped and other wooden goods, not elsewhere classified	32	31	255	-------	888	89,728	300,451	435,049	9,779	1,159,212	714,384
Woolen goods	6	37	370	-------	1,132	120,033	395,430	930,988	37,918	1,561,325	692,419
Wool scouring	3	12	83	220	695	21,520	88,061	40,643	14,256	194,834	139,935
Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills	11	120	574	-------	4,133	478,152	848,228	2,910,142	61,724	5,801,546	2,839,680
Other industries	214	1,813	12,171	13,218	47,139	4,439,269	16,461,247	172,411,935	1,954,883	249,964,015	75,597,197

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 11,688 employees of central administrative offices, with salaries aggregating $28,482,626. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each industrial area (See GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
LOS ANGELES INDUSTRIAL AREA											
[This area is coextensive with Los Angeles County. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnotes 1 and 2), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	4,908	31,167	114,480	81,005	457,826	*Dollars* 110,712,561	*Dollars* 175,812,298	*Dollars* 696,506,866	*Dollars* 13,831,246	*Dollars* 1,319,386,486	*Dollars* 609,048,374
Aircraft and parts	15	295	1,219	-------	792	613,410	1,906,481	2,002,463	28,730	4,691,509	2,660,316
Aluminum manufactures	8	15	93	-------	147	39,526	155,294	178,034	7,716	460,086	274,336
Awnings, tents, sails, and canvas covers	49	48	261	-------	236	107,180	325,922	875,853	3,786	1,687,726	808,087
Belting, leather	5	13	27	-------	42	31,081	45,775	208,477	1,155	419,141	209,669
Beverages	42	205	565	910	2,110	408,696	572,497	2,261,062	65,992	6,094,871	3,767,817
Blackings, stains, and dressings	7	26	34	-------	34	56,016	30,967	190,403	1,361	411,679	219,915
Bookbinding and blank-book making	21	83	367	-------	352	218,597	450,273	407,004	6,500	1,834,280	1,420,776
Boots and shoes, other than rubber	5	61	362	-------	402	143,738	463,144	773,022	7,482	1,603,720	823,216
Boxes, paper, not elsewhere classified	18	123	603	-------	917	346,942	664,157	2,032,066	25,464	3,812,276	1,754,746
Boxes, wooden, except cigar boxes	7	25	242	260	411	62,810	339,007	1,226,595	7,944	1,880,911	646,372
Bread and other bakery products	446	512	5,060	1,028	16,157	1,383,975	7,184,994	19,302,870	453,082	39,916,016	20,160,064
Brooms	5	10	69	-------	34	29,805	93,093	167,348	963	564,266	195,955
Brushes, other than rubber	4	15	33	-------	62	35,809	46,845	101,910	699	253,971	151,362
Butter	10	6	22	-------	281	10,116	35,216	500,169	7,087	636,462	129,206
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	11	125	1,910	100	3,534	405,299	1,635,861	9,340,640	129,127	14,564,108	5,094,341
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	57	209	1,921	190	2,035	534,316	1,340,355	6,194,764	85,007	10,812,885	4,533,114
Car and general construction and repairs, steam-railroad repair shops	7	213	2,868	-------	7,250	543,360	4,698,109	2,871,035	182,557	8,295,061	5,241,469
Carpets and rugs, rag	3	-------	9	-------	20	-------	9,169	3,842	120	23,516	19,554
Caskets, coffins, burial cases, and other morticians' goods	9	33	206	-------	448	110,299	381,521	609,869	6,407	1,561,578	945,302
Cereal preparations	3	6	18	-------	77	22,527	22,707	109,316	598	317,235	207,321
Chemicals, not elsewhere classified	15	87	430	-------	7,635	165,141	615,928	3,212,576	183,156	5,472,312	2,076,580
Clay products (other than pottery) and nonclay refractories	61	265	3,095	80	14,772	682,565	3,691,826	1,559,604	1,073,313	11,071,131	8,438,214
Cleaning and polishing preparations	19	41	63	-------	171	77,013	65,282	273,856	1,926	641,214	365,432
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	44	165	1,555	-------	378	439,465	1,723,297	2,931,564	20,054	6,326,675	3,375,057
Clothing, women's, not elsewhere classified	208	687	5,390	-------	976	1,504,247	6,302,059	15,709,861	70,540	29,250,657	13,470,156
Coffee and spice, roasting and grinding	35	117	231	-------	1,150	290,883	290,326	7,462,637	21,277	9,532,632	2,048,718
Compressed and liquefied gases	10	121	107	190	1,894	226,387	158,910	588,065	85,548	1,930,249	1,256,636
Concrete products	54	104	618	36	1,855	337,067	1,014,669	845,846	15,078	3,250,907	2,389,983
Confectionery	96	136	1,072	22	1,549	301,339	1,043,677	3,583,323	51,261	6,878,977	3,244,393
Cooperage	4	7	69	-------	292	24,280	113,648	303,171	6,245	512,521	203,105
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	113	155	711	9	882	340,680	1,094,975	2,112,365	26,733	4,892,563	2,753,465
Cotton small wares	3	10	30	-------	31	11,943	23,364	22,956	588	81,485	57,941
Doors, shutters, and window sash and frames, metal	8	33	168	-------	378	80,388	271,737	235,470	5,772	702,833	461,591
Druggists' preparations	13	20	68	-------	49	44,796	71,622	410,820	2,809	854,209	440,580
Dyeing and finishing textiles	7	42	109	-------	383	116,023	157,909	667,922	10,876	1,116,059	437,261
Electrical machinery, apparatus, and supplies	80	313	1,235	50	2,756	731,728	1,729,852	5,689,649	70,612	11,008,673	5,248,412
Electroplating	31	34	175	-------	2,653	67,889	359,471	113,045	22,178	861,842	726,619
Engines, turbines, tractors, and water wheels	7	107	476	300	1,077	263,079	801,526	800,231	16,956	2,206,893	1,389,706
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	5	8	24	-------	21	13,508	33,272	31,088	642	139,588	107,858
Engraving, steel and copperplate, and plate printing	21	60	174	-------	182	120,412	231,446	251,129	3,662	907,651	652,860
Envelopes	5	30	147	-------	137	80,625	164,780	226,470	2,803	638,227	408,954
Fancy and miscellaneous articles, not elsewhere classified	32	62	433	-------	164	139,723	391,478	851,219	5,851	1,805,569	948,769
Feeds, prepared, for animals and fowls	23	175	294	-------	3,577	370,314	401,897	8,252,343	45,634	10,374,283	2,076,306
Fertilizers	10	62	123	45	1,040	137,997	144,312	2,319,246	22,315	3,325,106	983,545
Flavoring extracts and flavoring sirups	31	44	102	-------	154	91,171	108,448	1,149,046	4,896	2,845,594	1,691,652
Flour and other grain-mill products	12	129	254	150	2,789	319,522	404,612	7,293,189	55,930	9,230,823	1,881,704
Food preparations, not elsewhere classified	73	128	507	-------	1,015	314,645	532,556	3,264,069	43,217	5,519,367	2,212,091
Foundry and machine-shop products, not elsewhere classified	321	2,020	11,134	1,774	42,651	5,625,776	18,587,880	31,487,190	1,294,241	81,762,327	48,980,896
Fur goods	35	37	133	-------	73	123,182	235,340	980,191	3,097	1,661,339	678,051
Furnishing goods, men's, not elsewhere classified	9	84	450	-------	139	166,869	461,065	1,974,021	4,721	3,284,840	1,306,098
Furniture, including store and office fixtures	193	882	5,904	1	13,690	2,378,028	8,948,679	14,647,339	182,863	32,865,651	18,035,449
Gas and electric fixtures; lamps, lanterns, and reflectors	66	172	667	-------	878	527,276	1,069,288	1,692,304	23,091	4,297,000	2,581,605
Glass products (except mirrors) made from purchased glass	14	10	65	-------	69	21,600	94,012	86,879	2,689	287,728	198,160
Gloves and mittens, leather	5	19	132	-------	23	54,635	137,561	192,246	834	449,008	255,928
Hand stamps and stencils and brands	12	44	161	-------	473	109,888	204,520	133,801	4,937	616,341	477,603
Hardware not elsewhere classified	12	38	208	-------	339	79,768	260,180	282,337	9,120	897,328	605,871
Hats and caps, except felt and straw, men's	15	17	130	-------	38	30,259	179,800	331,831	2,150	671,498	337,517
House-furnishing goods, not elsewhere classified	53	62	404	-------	322	130,009	459,739	1,446,594	10,762	2,557,397	1,100,051
Ice cream	60	125	417	80	4,110	319,857	656,530	3,959,155	103,551	9,752,912	5,690,206
Ice, manufactured	62	119	479	3,741	19,725	346,548	780,483	165,780	585,653	4,679,954	3,928,521
Instruments, professional and scientific	6	14	51	-------	53	33,656	88,498	43,618	1,018	200,802	156,166
Iron and steel: Steel works and rolling mills	10	217	2,430	100	21,725	841,736	4,060,605	5,077,111	1,015,053	13,968,831	7,876,667
Jewelry	49	83	264	-------	130	168,976	451,445	746,057	3,978	1,932,805	1,182,770
Knit goods	31	125	1,018	125	631	450,748	1,307,635	2,927,304	29,251	6,340,602	3,384,047
Leather goods, not elsewhere classified	13	18	91	1	53	32,623	95,312	257,140	1,347	485,294	226,807
Lithographing [1]	6	118	351	-------	548	390,353	588,354	940,975	10,786	2,678,598	1,726,837
Lubricating oils and greases, not made in petroleum refineries	8	27	46	-------	236	69,464	61,729	325,287	8,461	763,617	429,769

See footnotes at end of this section, p. 70.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
LOS ANGELES INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Macaroni, spaghetti, vermicelli, and noodles	15	44	124	-------	599	65,496	127,178	569,846	20,131	1,086,156	496,179
Machine-tool accessories and small metal-working tools, not elsewhere classified [2]	11	17	113	-------	342	45,899	178,543	120,686	4,052	507,767	383,029
Marble, granite, slate, and other stone products	21	70	285	-------	3,390	233,207	508,411	897,851	30,039	2,475,814	1,547,924
Mattresses and bed springs, not elsewhere classified	29	41	312	-------	581	91,759	381,291	1,177,164	13,001	2,193,043	1,002,878
Meat packing, wholesale	25	605	2,119	1,357	5,296	1,812,656	3,157,096	60,478,416	255,124	70,114,706	9,378,166
Millinery	61	154	1,359	-------	197	293,208	1,450,733	2,395,186	22,035	5,463,195	3,047,974
Mirror and picture frames	7	14	113	-------	198	29,900	150,950	133,274	3,396	459,961	323,291
Mirrors, framed and unframed	19	35	168	7	452	106,608	310,291	663,067	10,425	1,463,542	790,050
Models and patterns, not including paper patterns	27	32	195	-------	518	67,088	374,428	178,926	6,504	875,779	690,349
Motion pictures, not including projection in theaters	52	7,117	8,036	6,425	38,613	52,514,220	19,560,237	24,968,535	489,410	129,274,246	103,816,301
Motor-vehicle bodies and motor-vehicle parts	47	163	782	-------	2,148	538,878	1,289,897	2,155,207	39,695	5,188,053	2,993,151
Musical instruments and parts and materials, not elsewhere classified	6	8	60	-------	110	21,827	70,737	40,778	1,451	198,277	156,048
Nonferrous-metal alloys and products, not including aluminum products	34	86	469	25	1,149	283,727	670,215	1,997,854	53,168	4,276,265	2,225,243
Paints and varnishes	38	143	434	-------	2,328	377,538	629,845	4,406,998	41,949	7,230,531	2,781,584
Paper	6	116	673	5,260	7,157	353,379	1,025,382	2,637,860	342,880	6,365,636	3,384,896
Paper goods, not elsewhere classified	9	25	99	-------	403	62,759	145,376	855,264	9,874	1,467,049	601,911
Patent or proprietary medicines and compounds	53	155	241	-------	502	555,093	295,733	1,688,668	12,673	4,368,895	2,667,554
Peanuts, walnuts, and other nuts, processed or shelled	11	27	354	-------	487	42,031	352,127	2,702,508	5,889	3,804,341	1,095,944
Perfumes, cosmetics, and other toilet preparations	39	94	154	-------	158	272,215	146,105	846,079	3,426	2,403,210	1,553,705
Petroleum refining	32	1,211	4,157	42,440	48,740	2,766,853	8,185,744	237,711,618	2,729,532	327,411,340	86,970,190
Photo-engraving not done in printing establishments	24	88	278	-------	357	322,385	671,673	190,516	16,245	1,844,015	1,637,254
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	141	334	2,867	9,282	22,392	826,797	4,562,063	16,538,663	190,888	24,937,967	8,208,416
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	7	83	830	-------	2,657	223,660	1,194,715	1,141,737	109,265	3,288,146	2,037,144
Pocketbooks, purses, and cardcases	7	6	66	-------	8	22,976	67,779	157,311	370	297,539	139,558
Pottery, including porcelain ware	9	46	647	-------	1,168	144,062	733,980	457,903	112,168	1,982,138	1,412,127
Poultry killing, dressing, and packing, wholesale	8	8	70	-------	139	22,220	69,396	1,442,369	4,066	1,671,072	224,637
Printing and publishing, book and job	428	1,032	2,977	14	4,291	2,690,239	5,239,234	6,804,499	136,728	23,188,037	16,246,810
Printing and publishing, newspaper and periodical	240	5,448	2,738	-------	7,979	9,789,153	5,488,384	10,371,412	178,323	43,851,052	33,301,317
Pumps (hand and power) and pumping equipment	21	426	1,121	-------	4,356	1,081,367	1,756,293	3,755,224	98,256	9,820,791	5,967,311
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	10	59	346	-------	923	122,143	582,258	1,113,845	14,740	2,397,303	1,268,718
Rubber goods other than tires, inner tubes, and hoots and shoes [2]	19	69	483	-------	6,696	265,537	628,996	1,079,341	105,730	3,118,431	1,933,360
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	16	19	137	-------	370	68,012	167,775	868,827	13,806	1,464,193	581,560
Screw-machine products and wood screws	5	2	29	-------	226	[3]	40,036	47,124	2,224	140,482	91,134
Ship and boat building, steel and wooden, including repair work	11	97	832	-------	8,121	325,729	1,476,697	1,215,264	77,315	3,733,193	2,440,617
Shirts	11	36	622	-------	291	97,838	567,293	1,130,972	4,395	2,119,778	984,411
Signs and advertising novelties	65	193	578	-------	258	402,074	938,522	914,945	16,049	4,636,627	3,705,633
Sporting and athletic goods, not including firearms or ammunition	3	-------	11	-------	11	----------	15,128	16,876	518	45,412	28,018
Springs, steel, except wire, not made in plants operated in connection with rolling mills	5	31	138	-------	787	80,504	205,838	265,614	23,180	848,731	559,937
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	12	64	427	-------	782	189,109	543,570	722,533	38,217	2,106,685	1,345,935
Statuary and art goods, factory product	13	16	85	3	72	35,996	163,393	79,171	2,283	354,713	273,259
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	5	12	57	-------	386	42,870	67,747	89,404	18,964	237,085	148,717
Stoves and ranges (other than electric) and warm-air furnaces	38	235	854	330	2,105	555,651	1,352,829	2,985,773	56,669	6,879,365	3,837,123
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	69	192	1,226	-------	3,641	562,203	2,007,917	3,271,745	55,334	8,031,242	4,704,163
Surgical and orthopedic appliances, including artificial limbs	14	15	56	-------	32	45,689	90,486	109,801	577	385,213	274,835
Tools, not including edge tools, machine tools, files, or saws	14	16	151	-------	506	59,422	226,936	156,568	12,206	872,712	703,938
Toys (not including children's wheel goods or sleds), games, and playground equipment	10	21	95	-------	105	38,569	94,653	135,160	2,030	403,772	266,582
Trimmings (not made in textile mills) and stamped art goods for embroidering [4]	16	14	132	2	45	34,063	149,033	184,930	4,655	535,157	345,572
Trunks, suitcases, and bags	17	41	224	-------	151	119,187	303,296	591,053	5,929	1,257,474	660,492
Vinegar and cider	3	1	19	-------	35	[3]	24,094	71,327	1,908	126,090	52,855
Wall plaster, wall board, insulating board, and floor composition	20	66	170	-------	2,525	175,871	335,638	1,265,461	65,618	2,258,910	927,831
Window and door screens and weather strip	14	42	194	-------	889	114,802	271,407	465,209	6,724	1,104,032	632,099
Window shades and fixtures	26	16	81	-------	57	32,693	119,815	456,384	2,122	838,815	380,309
Wirework, not elsewhere classified	17	48	247	-------	726	170,617	313,304	1,113,856	13,697	2,286,031	1,158,478
Wood preserving	4	11	147	3,080	380	23,619	212,207	2,271,449	37,121	2,671,602	363,032
Wood turned and shaped and other wooden goods, not elsewhere classified	14	14	153	-------	638	43,878	182,597	216,432	5,698	645,000	422,870
Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills	4	72	343	-------	1,267	303,743	441,806	1,924,990	26,537	3,738,513	1,786,986
Other industries	310	2,757	16,768	3,588	79,934	6,871,470	24,167,646	99,072,724	2,086,057	177,567,412	76,408,631

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside the Los Angeles Industrial Area have been included in those for the area, as specified in footnotes 1 and 2, to avoid disclosing data reported by individual establishments.

[1] Includes data for 1 establishment located outside the industrial area.

[2] Includes data for 2 establishments located outside the industrial area.

[3] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
SAN FRANCISCO-OAKLAND INDUSTRIAL AREA											
[This area comprises Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnote 4), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	3,903	20,267	93,797	70,717	439,237	*Dollars* 49,024,527	*Dollars* 138,059,176	*Dollars* 687,959,928	*Dollars* 14,664,172	*Dollars* 1,165,683,465	*Dollars* 463,059,365
Awnings, tents, sails, and canvas covers	15	44	101	-------	103	86,781	148,662	327,593	3,682	671,565	340,290
Belting, leather	5	22	33	-------	73	61,791	60,612	203,664	3,398	442,028	234,966
Beverages	40	93	327	925	1,654	278,675	564,358	1,294,976	76,798	3,940,214	2,568,440
Bookbinding and blank-book making	26	152	530	-------	685	352,309	753,728	1,232,068	18,209	3,574,903	2,324,626
Boxes, paper, not elsewhere classified	17	123	855	-------	2,167	342,397	1,041,120	3,677,797	25,243	6,339,274	2,636,234
Boxes, wooden, except cigar boxes	20	62	610	250	4,825	180,715	759,289	1,874,863	38,045	3,700,349	1,787,441
Bread and other bakery products	443	448	3,791	289	5,971	950,212	6,145,107	13,652,731	445,579	28,551,912	14,453,602
Brooms	9	15	62	-------	42	8,910	49,133	129,287	1,449	247,040	116,304
Butter	12	31	151	-------	911	62,035	213,033	3,567,719	25,765	4,326,371	732,887
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	6	18	237	140	399	40,200	174,786	1,149,654	19,045	1,915,312	747,213
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	65	406	7,035	312	7,972	949,676	6,105,980	35,327,376	268,248	59,928,615	24,332,991
Car and general construction and repairs, steam-railroad repair shops	9	188	3,306	2,154	5,156	421,094	4,841,431	2,963,483	202,189	8,428,197	5,262,525
Caskets, coffins, burial cases, and other morticians' goods	11	39	157	-------	494	114,123	234,712	879,146	7,038	1,516,182	629,998
Cheese	11	22	38	35	112	47,269	103,500	784,141	12,478	1,281,965	485,346
Chemicals, not elsewhere classified	21	167	704	745	9,854	466,622	1,135,153	5,138,260	521,447	10,403,190	4,743,483
Clay products (other than pottery) and nonclay refractories	17	73	635	55	3,977	228,161	881,030	206,184	261,944	2,722,169	2,254,041
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	18	152	1,237	80	566	278,243	1,286,747	3,079,437	16,968	5,568,151	2,471,746
Coffee and spice, roasting and grinding	32	232	410	167	2,905	923,804	631,506	29,834,846	104,353	36,441,718	6,502,519
Compressed and liquefied gases	9	102	96	86	1,524	211,766	154,615	337,608	82,596	1,308,124	947,920
Concrete products	23	40	352	122	1,272	111,845	564,200	1,094,892	27,560	2,400,833	1,278,281
Confectionery	83	177	1,476	96	1,943	526,782	1,469,577	4,963,588	93,906	9,224,241	4,166,747
Cooperage [4]	10	23	230	390	1,000	79,227	372,761	1,510,212	16,094	2,247,109	720,803
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	103	213	776	-------	1,577	562,879	1,232,545	2,882,370	29,714	5,994,887	3,082,803
Cutlery (not including silver and plated cutlery) and edge tools	3	1	13	-------	64	(3)	21,230	3,606	1,083	39,394	34,705
Druggists' preparations [4]	9	51	94	-------	141	121,233	108,325	242,353	8,491	858,496	647,652
Dyeing and finishing textiles	5	20	73	-------	133	46,009	98,202	306,840	7,490	653,052	339,182
Electrical machinery, apparatus, and supplies	51	645	2,618	-------	7,121	1,577,864	3,196,790	12,652,922	211,258	26,894,951	14,000,771
Electroplating	17	22	164	-------	680	48,769	254,199	116,221	17,352	680,546	546,973
Engines, turbines, tractors, and water wheels	8	775	2,010	-------	11,662	1,896,475	3,408,635	7,739,843	183,745	17,771,167	9,847,579
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	6	4	21	-------	11	5,848	41,694	20,879	706	139,221	117,636
Engraving, steel and copperplate, and plate printing	18	11	80	-------	79	21,967	107,670	92,187	2,472	337,508	242,849
Fancy and miscellaneous articles, not elsewhere classified [4]	23	42	268	-------	49	105,014	227,482	310,064	4,225	907,072	592,783
Feeds, prepared, for animals and fowls	8	56	115	-------	2,010	133,767	189,008	6,058,874	41,407	7,058,212	957,931
Fertilizers	4	25	103	225	1,544	90,714	152,540	488,155	20,096	866,703	358,452
Flavoring extracts and flavoring sirups	19	84	222	5	426	234,501	342,008	1,273,300	15,846	2,778,491	1,489,345
Flour and other grain-mill products	6	109	180	30	1,682	238,316	286,790	6,334,972	52,403	7,676,357	1,288,982
Food preparations, not elsewhere classified	40	74	317	-------	436	148,713	351,473	1,798,720	31,320	3,202,365	1,372,325
Foundry and machine-shop products, not elsewhere classified	231	940	4,235	125	14,556	2,605,762	7,301,744	10,507,012	474,605	28,257,824	17,276,207
Furnishing goods, men's, not elsewhere classified	6	33	162	-------	23	89,945	183,505	657,435	2,707	1,246,771	586,629
Furniture, including store and office fixtures	131	310	1,880	60	4,972	841,295	3,004,822	4,858,774	71,123	11,213,878	6,283,981
Gas and electric fixtures; lamps, lanterns, and reflectors	23	57	297	-------	244	188,588	444,369	559,325	8,947	1,573,474	1,005,202
Glass products (except mirrors) made from purchased glass [4]	11	13	56	-------	61	30,752	84,691	123,254	6,255	312,135	182,626
Gold leaf and foil	3	1	3	-------	2	(3)	3,734	10,103	24	24,139	14,012
Grease and tallow, not including lubricating greases	8	28	197	120	1,054	65,769	280,960	1,294,178	37,197	2,010,775	679,400
Hand stamps and stencils and brands	9	10	80	-------	81	27,843	122,709	98,566	2,174	386,797	286,057
Hardware not elsewhere classified	12	72	199	-------	411	205,873	243,453	265,128	8,106	1,023,311	750,077
House-furnishing goods, not elsewhere classified	32	98	370	-------	453	189,453	383,545	1,083,469	16,543	2,102,628	1,002,616
Ice cream	28	64	205	-------	2,066	128,775	361,162	1,818,002	65,016	3,520,326	1,647,308
Ice, manufactured	20	23	124	150	5,519	59,252	215,939	40,718	160,083	1,028,050	827,249
Instruments, professional and scientific	8	5	39	-------	72	27,536	48,396	69,410	2,195	218,983	147,378
Leather: Tanned, curried, and finished	6	26	282	807	1,246	109,769	404,911	1,999,253	39,506	2,945,554	906,795
Lithographing	9	156	575	10	1,884	498,069	1,118,402	1,490,344	34,057	4,383,179	2,858,778
Lubricating oils and greases, not made in petroleum refineries	5	8	19	-------	58	13,210	28,229	85,652	1,891	207,275	119,732
Lumber and timber products, not elsewhere classified	3	5	24	-------	600	11,400	39,207	50,454	11,000	140,236	78,782
Macaroni, spaghetti, vermicelli, and noodles	31	46	201	60	1,397	125,863	286,339	1,046,813	40,628	1,970,892	883,451
Machine-tool accessories and small metal-working tools, not elsewhere classified	14	23	123	-------	272	65,732	220,236	87,956	5,671	550,783	457,156
Marble, granite, slate, and other stone products	24	69	383	-------	3,154	215,851	761,961	676,968	32,334	2,102,351	1,393,549
Mattresses and bed springs, not elsewhere classified	25	108	928	-------	2,318	263,925	1,235,594	3,359,775	43,212	6,898,988	3,496,001
Meat packing, wholesale	30	314	1,069	820	3,868	845,193	1,806,327	39,274,092	177,843	45,713,559	6,261,624
Millinery	31	175	1,343	-------	265	425,965	1,230,627	2,100,482	22,244	5,186,604	3,063,878
Mirror and picture frames	5	13	81	-------	38	15,950	122,919	142,698	808	385,831	242,325
Mirrors, framed and unframed	13	3	63	-------	110	6,328	121,965	202,442	5,081	457,269	249,746
Models and patterns, not including paper patterns	22	4	72	-------	251	7,136	144,546	41,096	4,188	333,671	288,387
Motion pictures, not including projection in theaters	6	-------	16	-------	21	-------	23,065	39,095	1,850	116,926	76,981
Motor-vehicle bodies and motor-vehicle parts	36	107	1,297	-------	1,489	254,521	1,906,309	8,169,857	51,176	11,327,325	3,106,292

See footnotes at end of this section, p. 72.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
SAN FRANCISCO-OAKLAND INDUSTRIAL AREA—Continued											
Mucilage, paste, and other adhesives, except glue and rubber cement	5	6	14	8	10	*Dollars* 18,549	*Dollars* 18,542	*Dollars* 222,291	*Dollars* 1,518	*Dollars* 385,690	*Dollars* 161,881
Musical instruments and parts and materials, not elsewhere classified	3	4	22	-------	8	6,700	33,786	8,448	257	77,800	69,095
Nonferrous-metal alloys and products, not including aluminum products	32	121	460	-------	1,781	353,575	765,316	3,469,070	82,361	4,854,559	1,303,128
Oils, not elsewhere classified	6	75	419	-------	5,106	200,180	785,963	16,668,568	186,501	18,799,090	1,944,021
Paints and varnishes	39	501	971	-------	7,388	1,201,110	1,551,427	11,333,296	213,575	18,964,740	7,417,869
Patent or proprietary medicines and compounds	52	155	356	-------	905	384,212	430,829	2,284,802	24,621	4,926,038	2,616,615
Peanuts, walnuts, and other nuts, processed or shelled	5	23	73	-------	185	49,184	85,234	901,090	4,215	1,230,501	325,196
Petroleum refining	5	754	3,703	16,586	34,722	1,900,218	7,391,575	101,609,381	629,652	133,021,807	30,782,774
Photo-engraving, not done in printing establishments	22	117	260	-------	296	309,244	653,869	190,788	18,309	1,674,493	1,465,396
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	128	400	2,516	7,858	26,791	1,059,220	3,805,560	8,997,054	178,061	16,048,079	6,872,964
Pocketbooks, purses, and cardcases	4	8	41	-------	6	24,141	50,261	89,965	595	193,758	103,228
Poultry killing, dressing, and packing, wholesale	7	63	152	-------	102	182,934	230,282	3,857,325	6,468	4,664,556	800,763
Printing and publishing, book and job	340	811	2,872	-------	4,042	2,005,302	5,415,200	6,463,096	142,140	21,831,395	15,226,159
Printing and publishing, music	4	31	24	-------	41	139,452	35,385	19,154	760	377,374	357,460
Printing and publishing, newspaper and periodical	204	3,824	2,644	-------	5,335	7,389,215	4,477,034	6,726,430	152,798	32,265,550	25,386,322
Printing materials, not including type or ink	4	13	7	-------	43	26,807	10,677	50,159	1,987	141,237	89,091
Rubber goods, other than tires, inner tubes, and boots and shoes	9	80	459	-------	7,437	273,865	640,978	1,767,293	173,889	4,318,643	2,377,461
Salt	6	36	344	765	3,571	136,401	535,503	777,859	117,673	3,114,138	2,218,606
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	45	23	133	8	564	56,268	234,789	1,950,330	24,431	2,680,917	706,156
Screw-machine products and wood screws	4	5	32	-------	105	9,960	43,988	75,886	2,626	182,850	104,338
Ship and boat building, steel and wooden, including repair work	33	294	3,116	649	41,786	480,632	5,962,258	5,945,644	247,545	15,790,500	9,597,311
Signs and advertising novelties	25	95	266	-------	159	170,368	531,552	441,681	13,237	2,474,244	2,019,326
Sporting and athletic goods, not including firearms or ammunition [4]	9	11	31	-------	40	33,475	41,679	104,911	2,793	246,240	138,536
Statuary and art goods, factory product	12	10	96	-------	68	15,153	152,567	125,531	2,654	516,242	388,057
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	8	43	161	-------	910	88,064	240,167	462,451	38,864	1,191,763	690,448
Stoves and ranges (other than electric) and warm-air furnaces	17	200	746	-------	1,756	559,920	1,189,764	1,661,265	57,735	4,825,559	3,106,559
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	49	113	615	140	3,275	318,378	1,046,126	2,726,508	49,237	4,993,931	2,218,186
Surgical and orthopedic appliances, including artificial limbs [4]	15	30	103	-------	56	49,873	121,889	156,523	4,445	457,180	296,212
Trimmings (not made in textile mills) and stamped art goods for embroidering	8	6	40	-------	19	13,035	53,696	31,498	1,400	146,594	113,696
Wall plaster, wall board, insulating board, and floor composition	12	19	31	-------	249	49,326	44,775	145,503	3,376	360,902	212,023
Washing machines, wringers, driers, and ironing machines, for household use	5	19	64	-------	169	36,115	111,613	144,766	2,803	313,722	166,153
Window shades and fixtures	29	30	116	-------	65	47,649	132,205	436,960	3,239	823,514	383,295
Wood turned and shaped and other wooden goods, not elsewhere classified	15	14	65	-------	205	38,250	80,789	178,367	3,026	409,904	228,511
Other industries	746	4,864	20,678	36,445	164,468	12,129,693	41,347,080	274,307,578	8,058,376	456,793,392	174,427,438

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[4] The figures for the following numbers of establishments located outside the industrial area have been included in the items for the area to avoid disclosing the data reported by those establishments: Cooperage, 1; druggists' preparations, 1; fancy and miscellaneous articles, not elsewhere classified, 2; glass products (except mirrors) made from purchased glass, 1; sporting and athletic goods, not including firearms or ammunition, 1; surgical and orthopedic appliances, including artificial limbs, 1.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

ALAMEDA COUNTY

[The total for all industries do not include data for a few establishments located outside the county (see footnote 6), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	1,116	6,045	30,711	18,289	138,889	*Dollars* 14,985,346	*Dollars* 42,658,040	*Dollars* 182,801,656	*Dollars* 4,230,791	*Dollars* 339,274,492	*Dollars* 152,242,045
Beverages	12	34	56	150	448	92,603	125,062	215,595	16,787	1,035,990	803,608
Boxes, paper, not elsewhere classified	5	31	130	-------	156	93,149	144,431	944,837	3,844	1,289,707	341,026
Bread and other bakery products	155	169	1,263	142	1,891	411,338	2,026,486	4,615,073	136,757	9,665,883	4,894,053
Butter	3	12	41	-------	155	16,190	62,812	1,190,446	8,957	1,465,578	266,175
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	37	222	5,097	190	5,389	493,547	4,129,525	22,088,893	164,556	37,224,473	14,971,024
Carpets and rugs, rag	3	4	30	-------	57	7,433	46,717	15,830	2,286	93,949	75,833
Caskets, coffins, burial cases, and other morticians' goods	5	16	73	-------	141	59,745	110,052	455,586	3,535	637,619	193,498
Cheese	7	15	21	1	48	36,059	81,443	337,207	6,756	680,968	337,005
Chemicals, not elsewhere classified	8	59	174	5	2,405	180,731	263,374	1,749,431	75,068	3,153,728	1,329,229
Clay products (other than pottery) and nonclay refractories	12	46	451	55	2,218	142,163	625,271	189,574	184,415	1,910,051	1,536,062
Compressed and liquefied gases	6	65	49	86	951	105,997	76,764	123,975	60,998	845,080	660,107
Concrete products	11	13	170	122	550	27,585	306,745	428,091	19,938	1,095,700	647,671
Confectionery	24	47	270	15	316	146,398	301,291	965,654	18,310	1,927,437	943,473

See footnotes at end of this section, p. 73.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
ALAMEDA COUNTY—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified [8]	31	88	282	-------	766	241,848	439,561	1,197,372	13,214	2,401,690	1,191,104
Electrical machinery, apparatus, and supplies	24	285	1,558	-------	5,355	773,995	1,887,025	8,995,079	153,477	18,616,211	9,467,655
Electroplating	5	6	51	-------	174	8,134	63,885	26,777	4,706	191,797	160,314
Flavoring extracts and flavoring sirups	4	-------	6	-------	13	----------	10,066	41,905	223	76,617	34,489
Food preparations, not elsewhere classified	14	14	132	-------	82	27,666	135,795	330,877	9,294	756,361	416,190
Foundry and machine-shop products, not elsewhere classified	74	384	1,469	10	5,331	1,200,501	2,408,600	3,673,194	143,650	10,025,295	6,208,451
Furniture, including store and office fixtures	41	60	433	-------	1,841	177,885	621,164	1,012,082	18,779	2,333,110	1,302,249
Gloves and mittens, leather	5	9	53	-------	22	20,460	71,830	109,037	1,028	251,818	141,753
Gold leaf and foil	3	1	3	-------	2	(7)	3,734	10,103	24	24,139	14,012
House-furnishing goods, not elsewhere classified	7	9	63	-------	45	24,184	86,340	127,469	2,337	319,784	189,988
Ice cream	14	31	108	-------	620	65,218	199,640	722,764	20,322	1,550,949	807,863
Ice, manufactured	7	6	38	-------	2,378	14,595	73,201	11,731	75,504	395,866	308,631
Instruments, professional and scientific	3	-------	5	-------	14	----------	6,655	15,351	190	44,088	28,537
Mattresses and bed springs, not elsewhere classified [8]	8	9	38	-------	144	23,983	49,143	151,039	3,381	302,644	148,224
Models and patterns, not including paper patterns	10	1	37	-------	95	(7)	80,141	22,620	1,423	172,936	148,893
Nonferrous-metal alloys and products, not including aluminum products	12	25	105	-------	466	61,718	183,837	421,171	13,913	773,693	338,609
Patent or proprietary medicines and compounds	16	28	45	-------	77	57,419	48,138	174,844	1,176	433,884	257,864
Planing-mill products (not including general mill-work), not made in planing mills connected with sawmills	50	212	1,337	4,727	17,416	594,531	1,890,360	3,897,632	94,874	7,323,822	3,331,316
Printing and publishing, book and job	72	90	282	-------	691	224,271	584,007	744,153	21,778	2,853,920	2,087,989
Printing and publishing, newspaper and periodical	35	736	545	-------	1,511	1,436,634	1,111,120	1,354,911	42,064	6,659,834	5,262,859
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [8]	12	2	29	-------	132	(7)	48,846	490,815	6,712	682,452	184,924
Ship and boat building, steel and wooden, including repair work	12	90	1,380	369	22,489	209,097	2,397,531	2,576,753	123,387	6,597,659	3,897,519
Stoves and ranges (other than electric) and warm-air furnaces	6	82	456	-------	1,204	327,447	696,667	557,542	42,242	2,562,367	1,962,583
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	15	32	183	-------	980	69,899	281,410	1,158,372	23,186	1,771,075	589,517
Window shades and fixtures	10	19	68	-------	22	28,292	65,906	179,911	2,623	357,136	174,602
Wood turned and shaped and other wooden goods, not elsewhere classified	5	10	34	-------	92	29,250	39,531	116,698	1,067	231,989	114,224
Other industries	335	3,083	14,149	12,417	62,207	7,555,441	20,880,725	121,385,251	2,688,754	210,581,983	86,477,978

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[8] The items for each of the 3 industries covered by this footnote include data for 1 establishment located outside the county, to avoid disclosing the figures reported by the establishments in question.

[7] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

CONTRA COSTA COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Petroleum refining"—without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	113	2,026	13,029	30,332	119,942	*Dollars* 5,228,127	*Dollars* 20,477,928	*Dollars* 215,428,652	*Dollars* 3,914,041	*Dollars* 289,458,874	*Dollars* 70,116,181

LOS ANGELES COUNTY (SEE LOS ANGELES INDUSTRIAL AREA)

MARIN COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industries—"Car and general construction and repairs, steam-railroad repair shops," as measured by number of wage earners, and "Gas, manufactured, illuminating and heating," as measured by value of products—without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	50	106	785	1,427	4,234	*Dollars* 224,668	*Dollars* 971,786	*Dollars* 2,850,552	*Dollars* 247,497	*Dollars* 5,740,530	*Dollars* 2,642,481

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
SAN DIEGO COUNTY											
All industries, total	300	882	4,239	3,323	20,017	*Dollars* 1,929,754	*Dollars* 5,706,033	*Dollars* 19,524,606	*Dollars* 923,518	*Dollars* 37,889,079	*Dollars* 17,440,955
Beverages	7	4	17	.....	62	8,855	27,048	77,115	1,797	217,799	138,887
Bookbinding and blank-book making	3	.....	9	.....	16	.....	11,942	8,898	369	43,527	34,200
Bread and other bakery products	49	58	380	26	790	161,101	691,659	1,382,734	69,961	2,903,171	1,450,476
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	6	34	921	25	698	83,734	565,505	3,796,864	28,691	5,557,332	1,731,777
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	5	14	68	.....	134	30,106	60,812	258,274	3,697	505,324	243,353
Clay products (other than pottery) and nonclay refractories	3	9	45	.....	544	25,200	66,066	17,290	26,063	168,522	125,164
Coffee and spice, roasting and grinding	4	10	23	.....	117	23,025	31,705	268,792	2,603	370,904	100,019
Concrete products	10	10	60	23	283	24,192	91,507	119,339	2,839	343,094	220,916
Confectionery	10	15	72	.....	80	20,223	76,861	174,056	5,882	368,711	188,773
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	5	5	20	.....	5	2,750	33,105	46,117	361	100,771	54,293
Feeds, prepared, for animals and fowls	6	18	45	.....	735	37,094	64,458	926,801	7,949	1,115,566	180,816
Food preparations, not elsewhere classified	4	.....	22	.....	13	.....	23,626	39,326	1,071	82,384	41,987
Foundry and machine-shop products, not elsewhere classified	11	18	90	.....	256	47,839	139,232	107,058	8,182	373,434	258,194
Furniture, including store and office fixtures	7	14	65	.....	301	20,681	100,168	99,961	1,895	424,976	323,120
Ice cream	6	28	55	.....	419	82,835	102,858	706,307	15,469	1,329,619	607,843
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	12	28	277	440	2,234	48,159	452,107	711,301	20,808	1,417,013	684,904
Poultry killing, dressing, and packing, wholesale	5	4	14	.....	21	7,839	17,801	352,359	465	440,987	88,163
Printing and publishing, book and job	27	30	137	.....	214	62,586	255,552	267,269	8,151	889,888	614,468
Printing and publishing, newspaper and periodical	21	311	265	.....	561	687,292	592,649	499,554	24,450	2,847,632	2,323,228
Ship and boat building, steel and wooden, including repair work	6	12	114	35	149	22,675	203,578	338,391	1,991	654,727	314,345
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	4	36	.....	29	11,594	52,573	50,526	1,748	174,525	122,251
Other industries	89	256	1,504	2,774	12,356	622,574	2,145,221	9,275,974	689,581	17,559,273	7,593,718

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

SAN FRANCISCO COUNTY (COEXTENSIVE WITH SAN FRANCISCO CITY)

[The totals for all industries do not include data for a few establishments located outside the county (see footnote 8), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	2,526	11,382	45,482	19,094	138,278	*Dollars* 26,822,885	*Dollars* 67,911,982	*Dollars* 257,074,625	*Dollars* 4,836,863	*Dollars* 483,712,296	*Dollars* 221,800,808
Awnings, tents, sails, and canvas covers	9	29	68	.....	69	69,400	96,933	210,796	2,199	441,262	228,267
Beverages	22	69	263	775	1,171	186,072	428,309	1,044,066	58,443	2,823,557	1,721,048
Boxes, paper, not elsewhere classified	12	92	725	.....	2,011	249,248	896,689	2,732,960	21,399	5,049,567	2,295,208
Boxes, wooden, except cigar boxes	12	43	297	250	1,059	119,616	319,708	709,372	11,904	1,413,358	692,082
Bread and other bakery products	250	274	2,395	147	3,885	531,334	3,917,859	8,561,627	267,229	17,925,420	9,096,564
Butter [8]	9	19	110	.....	756	45,845	150,221	2,377,273	16,808	2,860,713	466,712
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	19	157	1,424	40	1,994	399,599	1,594,205	11,700,816	84,949	20,120,881	8,335,116
Caskets, coffins, burial cases, and other morticians' goods	6	23	84	.....	353	54,378	124,660	423,560	3,503	858,563	431,500
Cleaning and polishing preparations	11	9	24	.....	117	16,164	38,180	115,345	2,530	243,679	125,804
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	40	52	683	.....	120	125,826	912,270	1,069,621	12,480	2,710,536	1,628,435
Clothing, women's, not elsewhere classified	82	192	1,459	.....	319	436,341	1,753,900	4,153,802	24,099	8,340,103	4,162,202
Concrete products	7	25	161	.....	655	83,184	226,948	644,606	6,285	1,159,818	539,527
Confectionery	54	128	1,193	81	1,616	378,980	1,156,847	3,982,356	74,872	7,255,773	3,198,545
Cooperage	6	22	216	390	959	78,627	350,693	1,448,197	14,805	2,130,994	667,992
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	72	125	494	.....	811	321,031	792,984	1,684,998	16,500	3,593,197	1,891,699
Cutlery (not including silver and plated cutlery) and edge tools	3	1	13	.....	64	(9)	21,230	3,606	1,083	33,364	34,705
Doors, shutters, and window sash and frames, metal	5	72	374	.....	1,043	228,248	654,568	931,331	15,660	2,180,872	1,233,881
Electrical machinery, apparatus, and supplies	27	360	1,060	.....	1,766	803,869	1,309,765	3,657,843	57,781	8,248,740	4,533,116
Electroplating	12	16	113	.....	506	40,635	190,314	89,444	12,646	488,749	386,659
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	6	4	21	.....	11	5,848	41,694	20,879	706	139,221	117,636
Engraving, steel and copperplate, and plate printing [8]	18	11	80	.....	79	21,967	107,670	92,187	2,472	337,508	242,849
Fancy and miscellaneous articles, not elsewhere classified	17	26	194	.....	29	72,428	156,791	250,888	2,905	655,136	401,343
Feeds, prepared, for animals and fowls	5	43	90	.....	1,802	102,978	159,175	5,263,588	34,899	6,066,375	767,888
Flavoring extracts and flavoring sirups	15	84	216	5	413	234,501	331,942	1,231,395	15,623	2,701,874	1,454,856
Food preparations, not elsewhere classified [8]	26	60	185	.....	354	121,107	215,678	1,467,843	22,026	2,446,004	956,135
Foundry and machine-shop products, not elsewhere classified	152	500	2,088	116	7,826	1,293,166	3,784,478	4,720,981	202,450	13,649,755	8,726,324

See footnotes at end of this section, p. 75.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
SAN FRANCISCO COUNTY (COEXTENSIVE WITH SAN FRANCISCO CITY)—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Fur goods	45	33	236	-------	63	74,714	404,261	1,058,773	5,919	2,025,799	961,037
Furnishing goods, men's, not elsewhere class fied	6	33	162	-------	23	89,945	183,505	657,435	2,707	1,246,771	586,629
Furniture, including store and office fixtures	85	244	1,425	60	3,043	651,246	2,355,452	3,799,662	51,176	8,752,853	4,902,015
Gas and electric fixtures; lamps, lanterns, and reflectors	18	54	278	-------	219	184,759	424,849	535,846	8,037	1,502,326	958,443
Glass products (except mirrors) made from purchased glass	7	6	36	-------	49	10,993	56,608	70,668	4,523	183,885	108,694
Hand stamps and stencils end brands [a]	9	10	80	-------	81	27,843	122,709	98,566	2,174	386,787	286,047
Hardware not elsewhere classified	7	67	150	-------	344	198,068	197,966	207,884	6,105	879,504	665,515
Hats and caps, except felt and straw, men's	13	12	78	-------	22	38,667	94,568	234,339	1,901	429,258	193,018
House-furnishing goods, not elsewhere classified	25	89	307	-------	408	165,269	297,205	956,010	14,206	1,782,844	812,628
Ice cream	10	29	85	-------	1,380	56,937	141,925	1,032,020	31,390	1,842,142	778,732
Ice, manufactured	5	11	63	150	2,080	33,715	107,112	14,143	62,752	465,997	389,102
Instruments, professional and scientific	5	5	35	-------	58	27,526	41,741	54,049	2,005	174,895	118,841
Jewelry	56	49	402	-------	509	84,667	629,070	776,506	8,995	2,124,941	1,339,440
Knit goods	11	66	762	92	255	229,570	684,239	1,436,191	15,504	3,615,222	2,163,527
Leather goods, not elsewhere classified	9	11	45	-------	15	28,687	54,468	132,701	806	243,560	110,053
Leather: Tanned, curried, and finished	3	11	122	450	440	37,488	181,805	869,502	10,948	1,241,588	361,138
Lithographing	9	156	575	10	1,884	498,069	1,118,402	1,490,344	34,057	4,383,179	2,858,778
Macaroni, spaghetti, vermicelli, and noodles	24	33	127	60	959	99,963	202,256	755,865	28,903	1,410,726	625,958
Machine-tool accessories, and small metal-working tools, not elsewhere classified	6	11	66	-------	105	30,620	116,110	56,011	3,063	323,254	264,180
Marble, granite, slate, and other stone products	10	41	232	-------	2,084	134,015	437,094	492,891	18,268	1,285,810	774,651
Mattresses and bed springs, not elsewhere classified	17	99	890	-------	2,174	239,942	1,186,451	3,208,736	39,831	6,596,344	3,347,777
Meat packing, wholesale	20	96	327	145	831	304,493	571,205	15,898,496	37,759	18,762,951	2,826,696
Millinery	31	175	1,343	-------	265	425,965	1,230,627	2,100,482	22,244	5,186,604	3,063,878
Models and patterns, not including paper patterns	12	3	35	-------	156	3,600	64,405	18,476	2,765	160,735	139,494
Motor-vehicle bodies and motor-vehicle parts	20	36	164	-------	296	84,407	243,465	350,940	9,795	884,200	523,465
Musical instruments and parts and materials, not elsewhere classified	3	4	22	-------	8	6,700	33,786	8,448	257	77,800	69,095
Nonferrous-metal alloys and products, not including aluminum products	20	96	353	-------	1,315	291,857	581,479	3,047,899	68,448	4,080,866	964,519
Paints and varnishes	16	269	346	-------	1,446	655,744	515,910	3,523,106	26,735	5,873,133	2,323,292
Patent or proprietary medicines and compounds	33	108	272	-------	412	291,501	331,237	1,634,178	14,508	3,210,814	1,561,428
Perfumes, cosmetics, and other toilet preparations	13	22	38	-------	42	30,141	43,245	249,012	1,123	615,258	365,123
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	59	81	590	1,375	5,710	223,578	1,010,538	2,355,486	55,717	4,140,145	1,728,942
Pocketbooks, purses, and cardcases	4	8	41	-------	6	24,141	50,261	89,965	595	193,788	103,228
Poultry killing, dressing, and packing, wholesale [a]	7	63	187	-------	102	182,934	230,282	3,857,325	6,468	4,664,556	800,763
Printing and publishing, book and job	261	730	2,580	-------	3,325	1,780,369	4,812,228	5,691,312	119,431	18,888,534	13,077,791
Printing and publishing, music	4	31	24	-------	41	139,452	35,385	19,154	760	377,374	357,460
Printing and publishing, newspaper and periodical	141	2,986	1,352	-------	3,621	5,782,810	3,122,449	5,253,362	100,019	24,670,909	19,317,528
Printing materials, not including type or ink	4	13	7	-------	43	26,807	10,677	50,159	1,987	141,237	89,091
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	5	24	43	-------	115	46,229	69,050	264,217	1,919	429,728	163,592
Rubber goods other than tires, inner tubes, and boots and shoes	5	8	38	-------	690	21,700	65,137	62,319	9,829	222,900	150,752
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	33	21	104	8	432	51,860	185,943	1,459,514	17,719	1,998,465	521,232
Ship and boat building, steel and wooden, including repair work	16	202	1,683	230	19,163	265,794	3,458,599	3,238,198	121,507	8,901,259	5,541,554
Signs and advertising novelties	16	55	160	-------	133	97,835	267,316	257,789	6,745	835,511	570,977
Stoves and ranges (other than electric) and warm-air furnaces	11	118	290	-------	552	232,473	493,097	1,103,723	15,493	2,263,192	1,143,976
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	33	81	432	140	2,295	248,479	763,716	1,568,136	26,051	3,222,856	1,628,669
Surgical and orthopedic appliances, including artificial limbs	11	25	87	-------	31	44,580	106,105	138,921	3,763	386,414	243,730
Trimmings (not made in textile mills) and stamped art goods for embroidering	8	6	40	-------	19	13,035	53,696	31,498	1,400	146,594	113,696
Trunks, suitcases, and bags	21	41	201	-------	140	101,370	231,421	594,857	4,260	1,250,693	651,576
Window shades and fixtures	19	11	48	-------	43	19,357	66,299	257,049	636	466,378	208,693
Wood turned and shaped and other wooden goods, not elsewhere classified	10	4	31	-------	113	9,000	41,258	61,669	1,959	177,915	114,287
Other industries	419	2,557	14,492	14,571	51,116	6,470,751	20,500,473	128,188,265	2,825,209	217,614,894	86,601,420

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[a] The figures for the following numbers of establishments located outside the county have been included in the items for the county to avoid disclosing the data reported by those establishments: Butter, 1; engraving, steel and copperplate, and plate printing, 2; food preparations, not elsewhere classified, 1; hand stamps and stencils and brands, 1; poultry killing, dressing, and packing, wholesale, 1.

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
SAN MATEO COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industries—"Iron and steel: Steel works and rolling mills," as measured by number of wage earners, and "Meat packing, wholesale," as measured by value of products—without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	98	708	3,790	1,575	37,894	*Dollars* 1,763,501	*Dollars* 6,039,440	*Dollars* 29,804,443	*Dollars* 1,434,980	*Dollars* 47,497,273	*Dollars* 16,257,850
SANTA CLARA COUNTY											
All industries, total	236	1,350	10,851	4,261	25,289	*Dollars* 3,371,749	*Dollars* 10,682,886	*Dollars* 55,777,747	*Dollars* 939,361	*Dollars* 91,092,200	*Dollars* 34,373,092
Agricultural implements	3	5	6	-------	31	13,051	7,929	23,018	692	53,616	29,906
Awnings, tents, sails, and canvas covers	4	3	9	-------	9	3,607	15,583	37,102	320	82,099	44,677
Beverages	7	2	7	3	39	(c)	7,664	23,459	1,904	59,751	34,388
Bread and other bakery products	49	25	242	13	377	41,424	397,851	893,099	43,347	1,922,361	991,915
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	58	406	7,377	1,759	8,002	1,217,471	5,618,576	40,600,319	325,236	60,918,965	19,993,410
Clay products (other than pottery) and nonclay refractories	5	11	109	25	612	23,527	128,827	13,134	34,461	273,790	226,195
Coffee and spice, roasting and grinding	4	11	7	-------	45	15,671	5,847	123,745	1,270	163,258	38,243
Concrete products	6	11	30	3	246	26,700	38,919	61,824	2,534	168,504	104,146
Confectionery	6	22	53	-------	125	38,720	57,277	197,296	6,059	484,948	281,593
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	1	11	-------	6	(c)	17,286	52,227	265	116,052	63,530
Food preparations, not elsewhere classified	3	2	21	-------	70	(c)	21,976	230,657	2,771	306,502	73,074
Foundry and machine-shop products, not elsewhere classified	17	146	498	-------	2,455	320,082	726,492	871,519	35,927	2,564,773	1,654,327
Ice cream	12	19	51	-------	447	36,604	68,319	259,670	17,211	579,534	302,653
Ice, manufactured	5	10	50	-------	2,760	29,354	65,140	3,969	46,341	397,274	346,964
Meat packing, wholesale	3	10	31	-------	188	35,975	60,100	2,030,299	7,129	2,289,230	231,892
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	9	86	494	-------	3,601	588,871	737,613	883,316	31,519	2,345,596	1,430,761
Printing and publishing, book and job	21	24	94	-------	174	63,453	189,993	119,145	4,647	514,623	390,831
Printing and publishing, newspaper and periodical	18	182	223	75	439	410,416	451,446	337,852	16,784	1,716,814	1,362,178
Pumps (hand and power) and pumping equipment	7	55	252	-------	881	122,470	413,030	664,862	16,387	1,635,794	954,505
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	2	13	-------	53	(c)	26,111	37,864	1,679	83,027	43,544
Other industries	52	317	1,273	2,383	4,799	754,353	1,625,407	8,313,521	389,848	14,469,729	5,756,360

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, except Long Beach (see explanatory note), separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
LONG BEACH											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Canning and preserving: Fish, crabs, shrimps, oysters, and clams," as measured by number of wage earners, and "Petroleum refining," as measured by value of products—without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]										
All industries, total	197	698	2,566	1,731	9,453	$1,778,364	$3,738,236	$31,390,593	$386,412	$54,676,736	$22,899,731
LOS ANGELES											
[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 1 and 2), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	3,437	21,442	76,023	32,040	255,080	$70,884,115	$112,454,365	$368,235,761	$7,001,482	$757,702,135	$382,464,892
Aluminum manufactures	5	11	62	-------	106	30,996	99,713	122,510	4,783	312,224	184,931
Awnings, tents, sails, and canvas covers	31	42	197	-------	200	91,050	237,349	660,067	2,717	1,241,041	578,257
Belting, leather	5	13	27	-------	42	31,081	45,775	208,477	1,155	419,141	209,509
Beverages	29	192	528	910	1,940	375,701	820,280	2,142,326	61,969	5,866,679	3,602,384
Bookbinding and blank-book making [1]	21	83	367	-------	352	218,597	450,273	407,004	6,500	1,834,280	1,420,776
Boots and shoes, other than rubber	5	61	362	-------	402	145,738	463,144	773,022	7,482	1,603,720	823,216
Boxes, paper, not elsewhere classified	14	79	366	-------	368	230,684	371,932	963,492	9,108	1,926,664	954,064
Boxes, wooden, except cigar boxes [1]	7	25	242	260	411	62,810	339,007	1,226,595	7,944	1,880,911	646,372
Bread and other bakery products	263	427	4,065	977	13,948	1,176,876	5,715,370	15,075,915	344,073	31,870,942	16,450,954
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	31	93	1,019	130	829	217,390	654,781	3,365,399	42,257	5,588,960	2,181,304
Cereal preparations	3	6	18	-------	77	22,527	22,707	109,316	598	317,235	207,321
Clay products (other than pottery) and nonclay refractories	15	105	1,340	30	5,289	291,288	1,645,170	672,530	348,382	4,766,169	3,745,257
Cleaning and polishing preparations	15	36	49	-------	145	65,282	59,307	257,918	1,739	593,568	333,911
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	44	165	1,555	-------	378	439,465	1,723,297	2,931,564	20,054	6,326,675	3,375,057
Clothing, women's, not elsewhere classified	205	656	5,376	-------	969	1,503,947	6,283,720	15,665,408	70,179	29,174,024	13,438,437
Coffee, and spice, roasting and grinding	32	111	218	-------	1,035	279,258	276,471	7,246,511	19,960	9,225,234	1,958,763
Concrete products	24	63	279	4	695	243,857	402,949	331,072	7,360	1,635,819	1,257,387
Confectionery	68	121	975	21	1,374	270,831	946,774	3,373,501	46,003	6,402,810	2,983,306
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	79	123	510	8	600	250,806	796,393	1,387,993	19,227	3,354,360	1,947,140
Cotton small wares	3	10	30	-------	31	11,943	23,364	22,956	588	81,485	57,941
Electrical machinery, apparatus, and supplies	67	273	1,111	50	2,297	643,792	1,559,366	5,342,512	63,004	10,166,229	4,760,713
Electroplating	26	30	158	15	2,528	58,703	327,739	102,009	18,947	765,240	644,284
Engraving, steel and copperplate, and plate printing	18	60	167	-------	177	120,412	220,032	247,630	3,562	878,378	627,166
Envelopes	5	30	147	-------	137	80,625	164,780	226,470	2,803	638,227	408,954
Fancy and miscellaneous articles, not elsewhere classified	29	61	416	-------	151	138,223	381,078	842,428	4,931	1,770,714	923,355
Feeds, prepared, for animals and fowls	9	145	186	-------	1,658	293,263	247,999	5,307,795	28,749	6,619,735	1,283,191
Fertilizers	5	41	86	-------	474	114,979	92,220	1,759,770	7,136	2,551,654	784,748
Flavoring extracts and flavoring sirups	25	38	87	-------	129	84,169	85,267	1,102,752	3,985	2,703,004	1,596,357
Flour and other grain-mill products	8	126	240	150	2,589	311,697	386,281	6,987,674	53,800	8,346,020	1,804,546
Food preparations, not elsewhere classified	63	107	351	-------	912	262,754	414,986	2,865,853	39,259	4,438,739	1,533,647
Foundry and machine-shop products, not elsewhere classified	171	811	4,778	374	19,587	2,194,744	7,646,899	15,577,812	475,708	37,177,155	21,123,635
Fur goods	30	35	124	-------	68	120,927	238,783	947,577	2,922	1,590,923	640,429
Furnishing goods, men's, not elsewhere classified	9	84	450	-------	139	166,869	461,065	1,974,021	4,721	3,284,340	1,306,068
Furniture, including store and office fixtures	146	687	4,653	1	10,051	1,893,309	6,973,749	11,994,274	127,295	26,233,185	14,111,616
Gas and electric fixtures; lamps, lanterns, and reflectors	49	158	591	-------	792	487,601	970,292	1,551,638	20,432	3,929,470	2,357,400
Glass products (except mirrors) made from purchased glass [2]	14	10	55	-------	59	21,606	94,012	86,879	2,689	287,728	198,160
Gloves and mittens, leather	5	19	132	-------	23	54,655	137,561	192,246	854	449,008	255,928
Hand stamps and stencils and brands [1]	12	44	161	-------	473	109,888	204,520	133,801	4,937	816,941	477,603
Hardware not elsewhere classified	7	8	52	-------	107	14,588	54,557	84,523	1,741	231,382	145,118
Hats and caps, except felt and straw, men's	15	17	130	-------	38	30,259	179,800	331,831	2,150	671,498	337,517
House-furnishing goods, not elsewhere classified	47	57	368	-------	314	113,221	409,500	1,340,921	9,659	2,345,863	995,283
Ice cream	24	61	266	-------	3,001	139,828	391,254	2,887,136	64,580	7,316,043	4,364,327
Ice, manufactured	18	44	237	1,710	10,433	142,642	480,152	61,633	292,980	2,112,229	1,757,616
Jewelry [1]	49	83	264	-------	130	168,976	451,445	746,057	3,978	1,932,805	1,182,770
Knit goods	26	98	839	125	533	881,333	1,115,861	2,575,887	23,315	5,426,014	2,810,112
Lithographing [2]	6	118	351	-------	548	390,353	588,354	940,975	10,786	2,078,598	1,726,837
Lubricating oils and greases, not made in petroleum refineries	3	16	19	-------	102	30,677	20,316	168,155	1,502	299,979	130,322
Macaroni, spaghetti, vermicelli, and noodles [2]	15	44	124	-------	599	65,496	127,178	569,846	20,131	1,086,156	496,179
Machine-tool accessories and small metal-working tools, not elsewhere classified [1]	11	17	113	-------	342	45,899	178,543	120,686	4,052	507,767	383,029
Marble, granite, slate, and other stone products	14	62	253	-------	3,095	211,514	450,759	840,352	25,658	2,274,030	1,408,020
Mattresses and bed springs, not elsewhere classified	23	41	299	-------	536	91,759	357,501	1,111,265	11,547	2,023,424	905,612
Meat packing, wholesale	8	420	1,458	1,305	3,286	1,017,370	2,066,068	34,713,658	152,124	40,187,311	5,321,529
Mirror and picture frames	7	14	113	-------	198	29,900	150,950	133,274	3,396	459,961	323,291
Models and patterns, not including paper patterns	20	22	144	-------	396	43,229	272,347	135,266	4,103	668,045	528,676

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

See footnotes at end of this section, p. 78.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
LOS ANGELES—Continued											
Motion pictures, not including projection in theaters	45	4,674	4,653	4,050	24,449	$31,189,233	$10,612,730	$10,199,581	$300,181	$78,715,175	$68,215,413
Motor-vehicle bodies and motor-vehicle parts	40	134	617	.....	1,423	429,538	997,224	1,877,765	22,732	4,276,562	2,376,065
Musical instruments and parts and materials, not elsewhere classified	6	8	60	.....	110	21,827	70,737	40,778	1,451	198,277	156,048
Nonferrous-metal alloys and products, not including aluminum products	24	70	343	.....	860	232,671	489,320	1,751,774	42,492	3,567,226	1,772,960
Paints and varnishes	30	113	378	.....	1,705	312,647	548,731	3,740,832	29,132	6,141,704	2,371,740
Paper goods, not elsewhere classified	9	25	99	.....	403	62,759	145,376	855,264	9,874	1,467,049	601,911
Patent or proprietary medicines and compounds	41	100	194	.....	347	412,626	229,757	1,394,145	8,928	3,435,572	2,032,499
Peanuts, walnuts, and other nuts, processed or shelled	7	19	302	.....	218	30,416	290,112	1,350,859	3,096	2,103,201	749,246
Perfumes, cosmetics, and other toilet preparations	35	79	136	.....	146	240,421	131,527	798,153	2,568	2,212,292	1,411,571
Petroleum refining	5	360	1,332	9,928	13,267	872,276	2,528,865	72,475,523	1,201,813	105,356,596	31,679,260
Photo-engraving, not done in printing establishments	19	79	255	.....	316	300,571	628,695	176,192	14,961	1,705,526	1,514,373
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	68	190	1,846	6,202	13,585	486,956	2,942,722	7,631,880	103,589	12,870,345	5,134,876
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	4	53	655	.....	2,409	156,210	971,631	826,825	97,557	2,463,162	1,538,780
Pocketbooks, purses, and cardcases [2]	7	6	66	.....	8	22,976	67,779	157,311	370	297,539	139,858
Poultry killing, dressing, and packing, wholesale	8	8	70	.....	139	22,220	69,396	1,442,369	4,066	1,671,072	224,637
Printing and publishing, book and job	337	951	2,684	9	3,846	2,532,429	4,753,284	6,274,353	121,619	21,190,502	14,794,530
Printing and publishing, newspaper and periodical	146	4,500	2,076	.....	5,822	7,913,631	4,114,523	9,277,639	121,600	36,842,727	27,443,488
Pumps (hand and power) and pumping equipment	11	178	611	.....	2,845	580,628	863,363	1,946,794	53,792	4,329,657	2,329,071
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	6	39	214	.....	521	84,247	373,676	692,225	9,404	1,569,830	868,201
Rubber goods other than tires, inner tubes, and boots and shoes	12	48	343	.....	3,144	200,862	440,778	735,286	39,684	2,136,101	1,361,131
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [1]	16	19	137	.....	370	68,012	167,775	868,827	13,806	1,464,193	581,560
Signs and advertising novelties	51	160	485	.....	148	342,102	818,931	768,009	11,108	4,166,633	3,387,516
Springs, steel, except wire, not made in plants operated in connection with rolling mills	5	31	138	.....	787	80,504	205,838	265,614	23,180	848,731	559,937
Statuary and art goods, factory product [2]	13	16	85	3	72	35,996	163,393	79,171	2,283	354,713	273,259
Stoves and ranges (other than electric) and warm-air furnaces	19	138	474	330	1,071	303,032	719,995	1,560,543	28,039	3,640,328	2,051,746
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	40	106	825	.....	2,338	339,730	1,404,056	1,874,597	37,447	5,089,030	3,176,986
Trunks, suitcases, and bags [2]	17	41	224	.....	151	119,187	303,296	591,053	5,929	1,257,474	660,492
Wall plaster, wall board, insulating board, and floor composition	12	52	132	.....	1,570	138,467	277,441	1,022,063	44,865	1,747,001	680,073
Window and door screens and weather strip	9	37	157	.....	658	105,362	213,003	399,775	5,318	936,657	531,564
Window shades and fixtures	15	14	51	.....	45	29,735	77,782	281,304	1,558	538,527	255,665
Wirework, not elsewhere classified	17	48	247	.....	726	170,617	313,304	1,113,856	13,697	2,286,031	1,158,478
Other industries	496	2,813	19,642	5,448	76,775	7,018,216	27,409,451	74,933,144	2,110,895	145,578,838	68,534,799

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Los Angeles have been included in those for the city, as specified in footnotes 1 and 2, to avoid disclosing data reported by individual establishments.
[1] Includes data for 2 establishments located outside the city
[2] Includes data for 1 establishment located outside the city.

OAKLAND											
All industries, total	738	3,580	19,096	15,301	76,835	$8,626,016	$26,130,309	$112,452,893	$2,632,558	$206,659,418	$91,573,967
Beverages	8	31	50	150	404	91,703	117,827	193,145	16,008	982,491	773,338
Boxes, paper, not elsewhere classified	5	31	130	.....	156	93,149	144,431	944,837	3,544	1,289,707	341,026
Bread and other bakery products	101	131	852	142	1,302	321,345	1,315,519	3,425,256	111,317	6,950,712	3,414,139
Butter	3	12	41	.....	155	16,190	62,812	1,190,446	8,957	1,465,578	266,175
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	15	89	2,964	80	1,913	205,237	1,841,015	11,460,030	64,188	18,523,061	6,998,843
Caskets, coffins, burial cases, and other morticians' goods	5	16	73	.....	141	59,745	110,052	455,586	3,535	657,619	198,498
Cheese	4	13	15	.....	37	34,079	72,110	209,623	3,953	529,118	315,542
Electrical machinery, apparatus, and supplies	16	142	796	.....	2,539	378,791	970,888	5,419,815	101,913	11,551,528	6,029,800
Flavoring extracts and flavoring syrups	4	.....	6	.....	13	.....	10,066	41,905	223	76,617	34,489
Food preparations, not elsewhere classified	10	7	100	.....	48	6,300	93,451	191,072	5,651	450,657	253,934
Foundry and machine-shop products, not elsewhere classified	50	255	892	.....	3,088	790,006	1,453,798	2,305,923	88,433	6,305,561	3,911,205
Furniture, including store and office fixtures	29	46	325	.....	1,047	132,367	480,701	739,012	14,396	1,755,670	1,002,262
House-furnishing goods, not elsewhere classified	7	9	63	.....	45	24,184	86,349	127,459	2,337	319,784	189,988
Ice cream [1]	14	31	108	.....	620	65,218	199,640	722,764	20,322	1,550,949	807,863
Ice, manufactured	4	4	28	.....	1,941	10,315	54,694	8,042	58,653	289,618	222,923
Nonferrous-metal alloys and products, not including aluminum products	8	12	62	.....	380	38,141	111,290	261,510	8,095	461,221	191,616
Patent or proprietary medicines and compounds	8	17	26	.....	21	35,221	28,631	119,650	346	270,147	157,151

See footnotes at end of this section, p. 79.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
OAKLAND—Continued											
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	31	161	1,060	4,055	15,487	$471,768	$1,539,940	$3,038,076	$70,788	$5,631,617	$2,522,753
Printing and publishing, book and job	52	67	210	-------	528	170,394	445,363	612,895	17,201	2,367,991	1,737,895
Printing and publishing, newspaper and periodical	17	608	419	-------	1,314	1,199,160	840,343	1,192,412	32,979	5,646,560	4,421,169
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	8	2	27	-------	120	(4)	45,786	431,050	5,736	594,782	157,996
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	12	32	174	-------	963	69,899	269,506	1,148,504	22,979	1,734,147	562,664
Wood turned and shaped and other wooden goods, not elsewhere classified	5	10	34	-------	92	29,250	39,531	116,698	1,067	231,989	114,224
Other industries	322	1,854	10,641	10,874	44,481	4,383,554	15,796,475	78,098,183	1,969,637	137,016,294	56,948,474

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] The items for the "Ice cream" industry include data for 2 establishments located outside the city, to avoid disclosing approximations of the figures for the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.
[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

SAN DIEGO

[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 5 and 6), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	253	808	3,836	2,690	17,717	$1,745,004	$5,230,005	$17,108,608	$838,964	$34,205,183	$16,257,611
Beverages [5]	7	4	17	-------	62	8,855	27,048	77,115	1,797	217,799	138,887
Bookbinding and blank-book making	3	-------	9	-------	16	----------	11,942	8,898	369	43,527	34,260
Bread and other bakery products	41	58	368	26	771	161,101	570,625	1,323,992	66,252	2,774,619	1,384,375
Canning and preserving: Fish, crabs, shrimps, oysters, and clams [6]	6	34	921	25	698	83,734	565,505	3,796,864	28,691	5,557,332	1,731,777
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	5	14	68	-------	134	30,106	60,812	258,274	3,697	505,324	243,353
Clay products (other than pottery) and nonclay refractories	3	9	45	-------	544	25,200	66,066	17,290	26,068	168,522	125,164
Coffee and spice, roasting and grinding	4	10	23	-------	117	23,025	31,705	268,792	2,093	370,904	100,019
Concrete products	7	9	46	-------	221	23,192	75,637	105,052	1,804	303,260	196,404
Confectionery	10	15	72	-------	80	20,223	76,861	174,056	5,882	368,711	188,773
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	5	5	20	-------	5	2,750	33,105	46,117	361	100,771	54,293
Feeds, prepared, for animals and fowls	6	18	45	-------	735	37,094	64,458	926,801	7,949	1,115,566	180,816
Food preparations, not elsewhere classified	4	-------	22	-------	13	----------	23,626	39,326	1,071	82,384	41,987
Foundry and machine-shop products, not elsewhere classified	11	18	90	-------	256	47,839	139,232	107,058	8,182	373,434	258,194
Furniture, including store and office fixtures [6]	7	14	65	-------	301	20,081	100,168	99,961	1,895	424,976	323,120
Ice cream [3]	6	28	55	-------	419	82,835	102,858	706,307	15,469	1,329,619	607,843
Planing-mill products (including general millwork), not made in planing mills connected with sawmills [5]	12	28	277	440	2,234	48,159	452,107	711,301	20,808	1,417,013	684,904
Poultry killing, dressing, and packing, wholesale	5	4	14	-------	21	7,839	17,801	352,359	465	440,987	88,163
Printing and publishing, book and job [6]	27	30	137	-------	214	62,586	255,552	267,269	8,151	889,888	614,468
Printing and publishing, newspaper and periodical	10	306	228	-------	498	577,936	535,838	474,427	22,532	2,673,693	2,176,734
Ship and boat building, steel and wooden, including repair work	6	12	114	35	149	22,675	203,578	338,391	1,991	654,727	314,345
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	4	36	-------	29	11,594	52,573	50,526	1,748	174,525	122,251
Other industries	72	199	1,282	2,164	10,668	464,981	1,841,390	7,168,530	619,114	14,596,811	6,809,167

The figures for a few establishments located outside San Diego have been included with those for the city, as specified in footnotes 5 and 6, to avoid disclosing data reported by individual establishments.
[5] Includes data for 2 establishments located outside the city.
[6] Includes data for 1 establishment located outside the city.

SAN FRANCISCO (SEE SAN FRANCISCO COUNTY)

COLORADO

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	1,548	32,890	233,726	135,353	98,373	$43,640,403	$183,739,553	$170,113,113	$13,626,440	$306,071,031	$122,331,478
1927	1,483	32,001	254,530	171,585	82,945	43,193,765	173,277,399	155,046,508	18,230,891	278,221,431	104,944,032
1925	1,416	31,967	219,865	128,918	90,947	43,007,674	171,191,543	(4)	(4)	278,778,008	107,586,465
1923	1,377	31,226	176,076	112,145	63,931	40,652,745	150,092,753	(4)	(4)	255,189,812	105,097,059
1921	1,491	27,625	(5)	(5)	(5)	38,611,463	147,248,631	(4)	(4)	221,324,285	74,075,654
1919	2,631	35,254	206,110	148,787	57,323	42,974,879	174,870,275	160,204,060	14,666,215	275,622,335	100,752,060
1914	2,126	27,278	162,701	135,352	27,349	20,199,754	89,756,302	81,700,061	8,056,241	136,839,321	47,083,019
1909	2,034	28,067	154,514	138,640	15,874	19,912,342	80,490,904	71,962,388	8,528,516	130,044,312	49,553,408
1904	1,606	21,813	124,836	121,071	3,765	15,100,365	63,114,397	58,963,925	4,150,472	100,143,999	37,029,602
1899	1,323	19,498	43,082	41,895	1,187	11,707,566	60,750,784	(6)	(5)	89,067,879	28,317,095
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	4.4	2.8	−8.2	−21.1	18.6	1.0	6.0	9.7	−25.3	10.0	16.6
1925–1927	4.7	0.1	15.8	33.1	−8.8	0.4	1.2			−0.2	−2.5
1923–1925	2.8	2.4	24.9	15.0	42.3	5.8	14.1			9.2	2.4
1921–1923	−7.6	13.0				5.3	1.9			15.3	41.9
1919–1921	−43.3	−21.6				−10.2	−15.8			−19.7	−26.5
1919–1929	−41.2	−6.7	13.4	−9.0	71.6	1.5	5.1	6.2	−7.1	11.0	21.4
1909–1919	29.4	25.6	33.4	7.3	261.1	115.8	117.3	122.6	72.0	111.9	103.3
1899–1909	53.7	43.9	258.7	230.9	1,237.3	70.1	32.5			46.0	75.0

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products, include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	1,035,791	1,548	32,890	233,726	$43,640,403	$183,739,553	$170,113,113	$13,626,440	$306,071,031	$122,331,478
Counties[3]										
Adams	20,245	20	726	5,466	804,580	3,949,862	3,794,448	155,414	5,949,286	1,999,424
Alamosa	8,602	12	306	1,113	409,999	909,301	880,264	29,037	1,617,218	707,917
Arapahoe	22,647	11	642	3,368	1,015,268	1,426,231	1,347,520	78,711	3,966,492	2,640,261
Archuleta	3,203	7	49	245	56,080	31,026	30,361	666	151,877	120,851
Bent	9,13	8	40	974	52,680	382,269	358,251	24,018	545,540	163,271
Boulder	32,456	37	564	4,696	670,986	3,639,955	3,439,125	200,830	6,366,986	2,727,031
Chaffee	8,126	10	291	1,623	511,918	1,351,201	1,306,473	44,728	2,131,128	779,927
Costilla	5,779	3	37	178	40,019	62,387	62,163	224	144,203	81,816
Delta	14,204	19	122	2,872	113,908	1,138,471	1,102,801	35,670	1,670,071	531,600
Denver (coextensive with city of Denver)[4]	287,861	781	16,239	61,435	20,910,625	83,179,353	81,123,018	2,056,335	144,613,574	61,434,221
Eagle	3,924	3	15	133	16,800	7,080	6,532	548	31,533	24,453
El Paso	49,570	69	933	3,582	1,184,507	3,167,589	3,010,871	156,718	7,508,593	4,341,004
Fremont	18,896	23	467	11,869	658,914	3,225,771	2,798,486	427,285	6,348,961	2,123,190
Garfield	9,975	11	35	233	57,076	133,680	123,478	10,202	270,769	137,089
Gunnison	5,627	13	106	2,717	130,627	103,932	101,896	2,036	270,353	166,421
Huerfano	17,062	9	26	197	37,551	185,510	177,446	8,064	295,213	109,703
Jefferson	21,810	16	210	2,011	248,443	600,306	494,708	105,598	1,531,056	930,750
La Plata	12,975	20	229	3,710	317,476	3,167,421	3,011,859	155,662	4,020,197	852,776
Larimer	33,137	50	915	24,615	1,188,271	7,631,828	7,124,285	507,543	13,296,364	5,664,536
Las Animas	36,008	31	660	4,779	714,002	1,839,577	1,185,036	654,541	3,344,790	1,505,213
Lincoln	7,850	7	15	214	18,576	25,175	22,043	3,132	70,613	45,338
Logan	19,946	15	228	2,831	327,663	1,785,264	1,684,497	100,767	2,934,534	1,149,270
Mesa	25,908	30	408	1,658	619,246	1,788,720	1,732,064	56,656	2,863,052	1,074,332
Montrose	11,742	11	33	196	33,716	233,990	227,215	6,775	357,255	123,265
Otero	24,390	34	896	9,913	1,224,144	4,524,263	4,291,862	232,401	7,127,828	2,603,565
Phillips[5]	5,797	6	9	50	11,266	41,192	39,592	1,600	94,996	53,804
Prowers	14,762	19	203	3,397	248,231	2,774,926	2,682,063	92,863	3,801,893	1,026,967
Pueblo	66,038	81	5,831	55,216	8,703,982	36,950,925	29,554,511	7,396,414	55,909,445	18,958,520
Rio Grande	9,953	14	76	506	99,789	439,060	432,311	6,749	707,947	268,887
Routt	9,352	17	112	321	122,403	151,368	145,679	6,689	353,252	201,884
Saguache	6,250	5	27	57	28,666	46,801	46,162	639	107,328	60,527
San Miguel	2,184	3	11	193	15,456	5,497	4,706	791	29,853	24,356
Teller	4,141	3	13	93	15,674	20,766	18,730	2,036	55,505	34,739
Weld	65,097	50	1,066	9,077	1,328,323	8,993,787	8,489,720	604,067	13,582,776	4,688,989
Yuma	13,613	5	10	40	11,415	20,401	18,435	1,966	57,242	36,841
All other countries[5]	127,626	96	1,440	14,148	1,792,123	9,804,668	9,244,502	560,166	14,943,408	5,138,740
Cities having 10,000 inhabitants or more[6]										
Boulder	11,223	17	155	530	188,401	336,820	299,111	37,709	828,913	492,093
Colorado Springs	33,237	55	547	2,014	775,811	2,544,923	2,415,342	129,581	4,948,810	2,403,887
Denver (coextensive with Denver Co.)	287,861	781	16,239	61,435	20,910,625	83,179,353	81,123,018	2,056,335	144,613,574	61,434,221
Grand Junction	10,247	20	253	826	272,904	1,396,698	1,353,443	43,255	2,126,711	730,013
Greeley	12,203	22	152	1,077	215,546	1,208,311	1,134,386	73,925	1,935,244	726,933
Trinidad	11,732	25	297	1,109	391,903	1,149,145	1,093,556	55,589	2,036,363	887,218

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are given for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the counties shown separately. In the case of Phillips County, in which fewer than 10 wage earners were employed, statistics are here presented in order that comparison may be made with the corresponding figures for 1927 (published in mimeographed form).
[4] For statistics by industries for this county, see Table 13.
[5] Baca, Clear Creek, Conejos, Crowley, Custer, Dolores, Douglas, Elbert, Gilpin, Grand, Hinsdale, Jackson, Kit Carson, Lake, Moffat, Montezuma, Morgan, Ouray, Park, Pitkin, Rio Blanco, San Juan, Sedgwick, Summit, and Washington Counties. (See footnote 3.) No manufacturing was reported from Cheyenne, Kiowa, and Mineral Counties.
[6] Not including Fort Collins and Pueblo, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments located outside the cities but within the counties in which the cities are situated.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929[1]	39,980	35,296	4,684	867	823	44	[2] 858	[2] 805	[2] 53	[2] 5,365	[2] 3,982	[2] 1,383	32,890	[3] 29,686	[3] 3,204
1919[1,4]	44,729	39,650	5,079	2,234	2,119	115	692	663	29	6,549	4,966	1,583	35,254	31,902	3,352
1914[4]	33,715	30,568	3,147	1,716	1,629	87	469	444	25	4,252	3,535	717	27,278	24,960	2,318
1909	34,115	31,381	2,734	1,722	1,634	88	422	413	9	3,904	3,377	527	28,067	25,957	2,110

[1] No data in regard to sex of persons engaged were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 166; male, 162; female, 4. Other salaried officers and employees—total, 1,180; male, 875; female, 305. The corresponding data for 1919 and earlier years are included in the respective items for those years, but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	32,800	29,490	*29,543*	29,941	31,004	31,783	32,674	33,227	33,023	34,081	37,533	36,109	35,569	78.2
1919 [1]	35,254	35,173	34,208	33,333	34,361	33,971	35,019	36,749	37,553	*33,027*	35,877	36,636	37,138	87.9
1914 [1]	27,278	26,816	*24,519*	24,836	25,489	25,710	26,667	28,258	27,994	27,059	31,004	29,667	28,417	79.1
1909 [1]	28,067	27,962	*25,181*	25,374	25,531	25,835	27,059	28,099	28,238	28,415	31,026	32,050	32,034	78.6

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,548	32,890	45 and over but under 48	193	3,167
			48	325	13,411
Not reported	166	408	Over 48 but under 54	72	1,503
Under 40	24	47	54	133	1,868
40	47	1,689	Over 54 but under 60	83	4,964
Over 40 but under 44	13	342	60 and over	203	2,840
44 and over but under 45	289	2,651			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,548	2,631	2,034	32,890	35,254	28,067	51 to 100	58	44	63	3,085	3,232	4,369
							101 to 250	50	48	32	7,589	7,738	5,105
No wage earners	65	461	325				251 to 500	11	11	16	4,156	3,488	5,782
1 to 5	844	1,495	1,113	2,152	3,130	2,525	501 to 1,000	[1] 5	7	2	[1] 6,802	5,251	1,227
6 to 20	386	421	398	4,230	4,515	4,334	1,001 to 2,500		1	1		3,450	2,152
21 to 50	129	143	84	3,976	4,450	2,573	2,501 and over						

[1] Combined to avoid disclosing data for individual establishments.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,548	2,631	2,034	32,890	35,254	28,067	$306,071,031	$275,622,335	$130,044,312	$122,331,478	$100,752,060	$49,553,408
Less than $5,000	[2]	830	760	[2]	439	731	[2]	2,130,334	1,862,931	[2]	1,407,089	1,257,050
$5,000 to $19,999	644	903	748	1,516	2,212	2,885	7,241,299	9,525,352	7,504,776	4,644,349	5,533,520	4,692,917
$20,000 to $99,999	553	598	351	4,184	5,452	4,632	24,484,086	27,126,332	14,497,582	13,476,380	13,226,698	7,938,415
$20,000 to $49,999	364	[3]	[3]	2,090	[3]	[3]	11,217,245	[3]	[3]	6,568,698	[3]	[3]
$50,000 to $99,999	189	[3]	[3]	2,094	[3]	[3]	13,266,841	[3]	[3]	6,907,682	[3]	[3]
$100,000 to $499,999	249	211		8,263	7,532		56,436,523	47,420,264		26,511,445	19,716,785	
$100,000 to $249,999	165	[3]		4,084	[3]		26,020,547	[3]		13,066,084	[3]	
$250,000 to $499,999	84	[3]	155	4,179	[3]	11,914	30,415,976	[3]	47,533,323	13,445,361	[3]	20,433,582
$500,000 to $999,999	43	43		3,299	3,975		29,038,480	28,979,323		10,761,391	10,383,097	
$1,000,000 and over	59	46	20	15,628	15,644	7,905	188,870,643	160,440,730	58,645,700	66,937,913	50,483,971	15,231,444
$1,000,000 to $2,499,999	43	[3]	[3]	6,944	[3]	[3]	66,199,413	[3]	[3]	26,580,139	[3]	[3]
$2,500,000 to $4,999,999	7	[3]	[3]	1,423	[3]	[3]	25,350,355	[3]	[3]	8,314,476	[3]	[3]
$5,000,000 and over	9	[3]	[3]	7,261	[3]	[3]	97,320,875	[3]	[3]	32,043,298	[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,548	2,631	32,890	35,254	$306,071,031	$275,622,335	$122,331,478	$100,752,060
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	811	884	29,527	30,911	285,317,889	250,927,940	112,039,484	89,001,458
Other forms of ownership or control (individual, partnership, etc.)	737	1,747	3,363	4,343	20,753,142	24,694,395	10,291,994	11,750,602
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	247	(1)	18,202	(1)	197,524,913	(1)	70,555,811	(1)
Independent (single-unit)	1,301	(1)	14,688	(1)	108,546,118	(1)	51,775,667	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

[This table presents statistics for each county in which the aggregate horsepower equaled or exceeded 25,000]

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers									Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State														
1929	233,726	135,353	497	79,784	49	49,929	92	3,492	11	2,148	10,798	98,373	4,181	99,474
1927	254,530	171,585	536	85,383	42	83,963	66	1,788	10	451	9,522	82,945	3,311	92,143
1925	219,865	128,918	589	109,434	44	17,417	80	1,405	13	662	8,388	90,947	2,008	34,860
1919 [1]	206,110	148,787	748	138,280	44	7,137	235	2,186	37	1,184	5,717	57,323	1,824	28,713
1914 [1]	162,701	135,352	[2] 842	[2] 126,608	([3])	([3])	183	2,075	84	6,669	3,190	27,349	1,575	29,929
Counties, 1929														
Denver	61,435	17,120	79	11,178	16	4,930	35	1,012	----	----	6,279	44,315	858	12,327
Pueblo	55,216	46,038	56	21,708	9	24,275	2	55	----	----	778	9,178	1,631	58,045

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 3 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	233,726	135,353	98,373	99,474	La Plata	3,710	1,170	2,540	----
					Larimer	24,615	15,076	9,539	1,447
Adams	5,466	2,456	3,010	1,362	Las Animas	4,779	1,085	3,694	78
Alamosa	1,113	280	833	----	Lincoln	214	30	184	----
Arapahoe	3,368	418	2,950	----	Logan	2,831	2,363	468	227
Archuleta	245	225	20	----					
Bent	974	180	794	----	Mesa	1,658	422	1,236	----
					Montrose	196	87	109	----
Boulder	4,696	3,503	1,193	751	Otero	9,913	8,394	1,519	6,273
Chaffee	1,623	272	1,351	----	Phillips	50	25	25	15
Costilla	178	153	25	----	Prowers	3,397	1,677	1,720	158
Delta	2,872	2,512	360	1,900					
					Pueblo	55,216	46,038	9,178	58,045
Denver (coextensive with city of Denver)	61,435	17,120	44,315	12,327	Rio Grande	506	381	125	----
					Routt	321	283	38	75
Eagle	133	75	58	----	Saguache	57	50	7	----
El Paso	3,582	1,291	2,291	30	San Miguel	193	165	28	----
Fremont	11,869	9,617	2,252	6,252					
					Teller	93	60	33	----
Garfield	233	141	92	18	Weld	9,077	7,466	1,671	3,920
Gunnison	2,717	2,654	63	924	Yuma	40	30	30	----
Huerfano	197	134	63	----	All other counties [2]	14,148	8,639	5,509	5,201
Jefferson	2,011	951	1,060	471					

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Baca, Clear Creek, Conejos, Crowley, Custer, Dolores, Douglas, Elbert, Grand, Hinsdale, Jackson, Kit Carson, Lake, Moffat, Montezuma, Morgan, Ouray, Park, Pitkin, Rio Blanco, San Juan, Sedgwick, Summit, and Washington Counties. No horsepower was reported in Gilpin County and no manufacturing in Cheyenne, Kiowa, and Mineral Counties.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	2,318,058	$6,701,540	2,757,337	2,773,367	2,984,030	2,644,127	3,335,905
Anthracite (tons, 2,240 lbs.)	42,526	140,684	[3]	48,567	33,331	14,495	9,616
Bituminous (tons 2,000 lbs.)	2,270,429	6,560,856	[3]	2,718,972	2,946,699	2,627,893	3,325,136
Coke (tons, 2,000 lbs.)	578,333	2,410,024	[4]	[4]	530,304	600,190	691,837
Fuel oils, including crude oils and gas oils (gallons) [5]	10,796,344	372,371	[4]	[4]	4,763,476	4,130,238	3,833,550
Gasoline and kerosene (gallons) [5]	174,887	20,502	[4]	[4]	1,653,960		
Gas, natural (M cu. ft.)	9,446,313	1,379,513	[4]	[4]	114,840	916,938	342,577
Gas, manufactured (M cu. ft.)	44,696,611	1,544,751	[4]	[4]			
Other fuels		43,030	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	84,081,808	1,711,608	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 14,192,339	*Cost* $18,230,891	*Cost* [8]	*Cost* $14,666,215	*Cost* $8,056,241	*Cost* $8,528,516

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	1,548	[3] 6,223	32,890	135,353	98,373	[3] $13,580,172	$43,640,403	$170,113,113	$13,626,440	$306,071,031	$122,331,478
Agricultural implements	5	5	17		83	9,570	20,329	44,675	862	106,477	61,040
Awnings, tents, sails, and canvas covers	9	39	113		122	104,219	126,708	405,849	7,425	802,327	389,053
Beverages	34	57	148	798	334	153,012	203,500	524,230	26,333	1,234,224	683,641
Bookbinding and blank-book making	6	11	62		42	26,738	52,410	41,879	2,330	204,101	159,892
Boxes, paper, not elsewhere classified	4	23	177		212	82,042	145,459	294,081	7,131	683,723	382,511
Boxes, wooden, except cigar boxes	4	6	97	125	327	13,863	86,791	275,453	6,230	439,678	157,895
Bread and other bakery products	180	178	1,689	395	2,452	418,117	2,005,846	5,424,373	224,531	11,773,612	6,124,708
Brushes, other than rubber	3	1	12		14	[4]	12,335	22,849	342	50,187	26,996
Butter	60	142	303	871	2,988	280,682	340,492	7,942,531	96,549	9,854,633	1,815,553
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	26	78	826	746	855	253,480	599,578	3,233,954	58,913	5,322,062	2,029,195
Car and general construction and repairs, steam-railroad repair shops	28	373	4,357	4,274	11,102	874,879	6,611,834	4,963,612	376,730	12,896,035	7,555,693
Caskets, coffins, burial cases, and other morticians' goods	7	13	42		122	31,791	53,905	156,338	2,548	360,345	201,459
Cheese	16	4	29	33	116	6,750	44,825	700,528	12,904	846,964	133,532
Chemicals, not elsewhere classified	3	13	52	65	824	41,691	62,395	448,058	28,177	751,138	274,903
Cigars and cigarettes	5	13	117		3	29,688	88,598	109,960	972	295,433	184,501
Clay products (other than pottery) and nonclay refractories	33	83	866	1,585	4,132	217,639	1,155,724	546,061	423,394	3,097,442	2,127,987
Cleaning and polishing preparations	7	13	10		14	34,391	13,118	46,231	416	119,130	72,483
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	5	59	467		40	130,263	364,189	703,611	11,961	1,443,510	727,938
Clothing, women's, not elsewhere classified	7	24	149		27	42,448	97,474	275,107	1,697	559,657	282,853
Coffee and spice, roasting and grinding	14	65	133		564	169,721	137,667	2,758,040	14,517	3,682,184	909,627
Concrete products	13	20	189	506	663	32,122	288,292	582,417	26,041	1,176,424	567,966
Confectionery	40	95	508	177	591	211,077	394,698	1,369,273	49,401	2,872,664	1,453,990
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	15	60	195		629	127,615	261,733	844,166	15,286	1,541,951	682,499
Dental goods and equipment	3	1	45		6	[4]	58,337	80,871	1,054	165,028	83,103
Druggists' preparations	6	12	23		29	43,475	30,792	118,899	3,008	316,258	194,351
Electrical machinery, apparatus, and supplies	8	19	71		141	41,218	76,159	319,529	15,300	640,903	206,074
Engraving, steel and copperplate, and plate printing	4	5	53		27	6,469	51,953	43,411	981	159,719	115,327
Feeds, prepared, for animals and fowls	24	106	273	1,953	7,340	176,655	345,517	3,518,155	159,321	4,677,448	999,972
Flavoring extracts and flavoring sirups	4	5	5		16	9,527	5,100	49,618	438	81,807	31,851
Flour and other grain-mill products	59	63	469	3,703	2,343	114,885	614,344	10,788,822	138,768	13,761,733	2,834,143
Food preparations, not elsewhere classified	16	31	143	406	218	90,629	131,888	863,524	24,688	1,646,814	758,602
Foundry and machine-shop products, not elsewhere classified	76	369	1,760	624	13,142	613,458	2,406,156	3,542,081	259,968	10,694,478	6,892,429
Furniture, including store and office fixtures	13	31	195		292	98,306	297,132	642,769	9,148	1,338,374	686,457
Gas, manufactured, illuminating and heating	7	39	78	176	106	71,323	103,186	124,785	118,518	622,683	379,380

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
Glass products (except mirrors) made from purchased glass	3	1	8	-------	8	(4)	$6,304	$22,905	$556	$40,106	$16,645
Grease and tallow, not including lubricating greases	6	14	55	185	536	$38,474	69,828	287,516	16,327	509,205	205,362
Hand stamps and stencils and brands	3	6	45	-------	43	14,020	60,127	53,555	2,594	168,998	112,849
Ice cream	29	54	163	155	1,378	138,656	215,277	1,052,418	69,975	2,480,453	1,358,060
Ice, manufactured	28	76	243	4,948	1,821	168,798	307,937	65,112	229,465	1,485,832	1,191,255
Instruments, professional and scientific	3	6	35	-------	92	22,225	45,200	15,250	1,756	131,861	114,855
Jewelry	12	8	62	-------	30	9,806	84,452	76,794	1,069	285,767	207,904
Lubricating oils and greases, not made in petroleum refineries	4	4	19	33	33	12,700	13,287	102,104	1,341	183,945	80,500
Lumber and timber products, not elsewhere classified	61	77	1,219	4,791	157	136,615	1,455,939	308,710	37,453	2,278,660	1,932,497
Marble, granite, slate, and other stone products	18	34	120	2,575	1,655	87,142	217,117	189,928	24,896	657,238	442,414
Mattresses and bed springs, not elsewhere classified	5	19	137	300	384	50,085	159,928	374,907	13,979	733,147	344,261
Meat packing, wholesale	25	407	1,497	3,895	1,402	839,167	1,832,894	31,518,245	247,177	36,719,567	4,954,145
Models and patterns, not including paper patterns	7	-------	12	-------	43	----------	21,885	10,764	1,040	66,941	55,137
Motor-vehicle bodies and motor-vehicle parts	8	12	71	-------	136	24,837	109,051	130,146	5,439	372,542	236,957
Nonferrous-metal alloys and products, not including aluminum products	12	25	110	15	447	76,342	142,364	1,529,180	31,336	2,198,394	637,878
Paints and varnishes	5	17	65	-------	393	48,474	88,779	629,419	8,546	1,101,579	463,614
Patent or proprietery medicines and compounds	10	29	22	-------	31	52,988	22,173	142,396	1,465	344,368	200,507
Perfumes, cosmetics, and other toilet preparations	5	6	6	-------	6	10,155	3,925	23,172	416	73,240	49,652
Photo-engraving, not done in printing establishments	8	30	66	-------	93	84,294	115,552	56,701	4,864	421,247	359,682
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	29	62	312	635	1,411	146,692	479,135	541,490	26,614	1,507,322	939,218
Pottery, including porcelain ware	4	15	114	126	427	37,330	112,410	28,009	33,328	325,786	264,449
Printing and publishing, book and job	109	273	1,034	60	1,349	669,273	1,597,046	1,569,522	61,203	5,353,011	3,722,286
Printing and publishing, newspaper and periodical	169	1,019	1,121	3	2,315	1,966,200	1,871,851	2,540,063	108,981	12,526,112	9,877,068
Saddlery and harness	8	20	95	-------	117	36,920	112,890	264,171	3,034	484,736	217,531
Signs and advertising novelties	20	65	126	-------	39	117,974	197,666	218,253	38,030	928,554	672,271
Sporting and athletic goods, not including firearms or ammunition	5	10	64	-------	47	22,431	51,346	19,716	1,825	118,644	97,103
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	3	3	9	-------	26	3,960	12,438	21,335	976	39,461	17,150
Stoves and ranges (other than electric) and warm-air furnaces	5	3	6	-------	8	6,257	7,917	20,500	93	51,572	30,979
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	15	72	254	-------	804	209,470	349,110	1,202,267	16,090	2,066,968	848,611
Surgical and orthopedic appliances, including artificial limbs	6	8	14	-------	12	14,593	19,045	15,405	263	71,457	55,789
Vinegar and cider	4	5	16	37	19	15,020	11,307	36,326	924	88,789	51,539
Wall plaster, wall board, insulating board, and floor composition	4	5	20	-------	929	6,685	25,209	82,209	15,403	173,945	76,333
Other industries	171	1,782	12,087	101,159	32,266	3,954,846	16,532,556	75,159,085	10,494,080	137,962,538	52,309,373

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 1,346 employees of central administrative offices, with salaries aggregating $3,972,509. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR IMPORTANT COUNTIES, BY INDUSTRIES: 1929

[This table gives, for each important industrial county (i. e., each county in which 4,000 wage earners or more were employed in manufacturing and printing and publishing industries) in the State, except as specified in footnote 4, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
DENVER COUNTY (COEXTENSIVE WITH CITY OF DENVER)											
[Totals for all industries do not include data for establishments located outside the county (see footnotes 2 and 3), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	781	3,485	16,239	17,120	44,315	$7,860,775	$20,910,625	$81,123,018	$2,056,335	$144,613,574	$61,434,221
Beverages	9	32	78	492	185	85,906	115,909	300,618	14,118	664,789	350,053
Bookbinding and blank-book making	6	11	52	----------	42	26,738	52,410	41,879	2,330	204,101	159,892
Boxes, paper, not elsewhere classified	4	23	177	----------	212	82,042	145,459	294,081	7,131	683,723	382,511
Bread and other bakery products	80	124	1,186	359	1,435	312,058	1,423,242	3,840,177	133,348	8,360,668	4,387,143
Brushes, other than rubber	3	1	12	----------	14	(1)	12,335	22,849	342	50,187	26,996
Butter	13	53	126	675	2,087	115,392	133,495	3,912,892	47,085	4,772,300	812,323
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	8	17	60	6	54	50,757	53,194	420,595	4,133	653,300	228,572
Car and general construction and repairs, steam-railroad repair shops	5	197	2,359	2,050	7,153	463,028	3,487,083	3,017,490	213,759	7,249,283	4,018,034
Caskets, coffins, burial cases, and other morticians' goods [2]	7	13	42	----------	122	31,791	53,905	156,338	2,548	360,345	201,459
Chemicals, not elsewhere classified	3	13	52	65	824	41,691	62,395	448,058	28,177	751,138	274,903
Cigars and cigarettes [3]	5	13	117	----------	3	29,688	88,598	109,960	972	295,433	184,501
Clay products (other than pottery) and nonclay refractories	21	46	554	175	2,734	115,835	762,928	380,804	243,058	2,054,151	1,430,289
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	5	59	467	----------	40	130,263	364,189	703,611	11,961	1,443,510	727,938
Clothing, women's, not elsewhere classified	7	24	149	----------	27	42,448	97,474	275,107	1,697	559,657	282,853
Coffee and spice, roasting and grinding	11	61	127	----------	542	154,721	133,787	2,609,710	13,674	3,477,923	854,539
Confectionery	30	77	422	97	467	181,767	341,286	1,270,053	44,346	2,557,343	1,242,944
Dental goods and equipment	3	1	45	----------	6	(1)	58,337	80,871	1,054	165,028	83,103
Electrical machinery, apparatus, and supplies	8	19	71	----------	141	41,218	76,159	319,52	15,300	540,903	206,074
Engraving, steel and copperplate, and plate printing	4	5	53	----------	27	6,469	51,953	43,411	981	159,719	115,327
Feeds, prepared, for animals and fowls	4	32	43	20	1,741	49,905	82,312	709,672	17,405	903,125	176,048
Flavoring extracts and flavoring sirups	4	5	5	----------	16	9,527	5,100	49,518	438	81,807	31,851
Flour and other grain-mill products	7	30	193	1,230	895	61,457	236,392	4,697,942	49,887	5,833,167	1,085,338
Food preparations, not elsewhere classified	11	23	91	----------	88	69,963	69,962	570,465	7,260	916,590	338,865
Foundry and machine-shop products, not elsewhere classified	52	234	1,036	134	9,650	344,872	1,295,262	2,304,626	166,034	6,692,257	4,131,597
Furniture, including store and office fixtures [2]	13	31	195	----------	292	98,306	297,132	642,769	9,148	1,338,374	686,457
Glass products (except mirrors) made from purchased glass	3	1	8	----------	8	(1)	6,304	22,905	556	40,106	16,645
Hand stamps and stencils and brands	3	6	45	----------	43	14,020	60,127	53,555	2,594	168,998	112,849
Ice cream	11	30	88	125	775	88,379	120,689	627,279	41,156	1,570,199	901,764
Ice, manufactured	3	20	94	2,350	459	60,600	148,500	12,819	117,259	729,647	599,569
Instruments, professional and scientific	3	6	33	----------	92	22,225	45,200	15,259	1,756	131,861	114,855
Lubricating oils and greases, not made in petroleum refineries	4	4	19	33	33	12,700	13,287	102,104	1,341	183,945	80,500
Marble, granite, slate, and other stone products	11	17	48	----------	787	38,103	83,234	56,089	5,861	223,348	161,398
Meat packing, wholesale	11	346	1,195	3,070	605	711,423	1,486,612	24,588,040	203,831	28,439,103	3,647,232
Models and patterns, not including paper patterns	7	----------	12	----------	43	----------	21,885	10,764	1,040	66,941	55,137
Motor-vehicle bodies and motor-vehicle parts [4]	8	12	71	----------	136	24,837	109,051	130,146	5,439	372,542	236,957
Nonferrous-metal alloys and products, not including aluminum products	12	25	110	15	447	76,342	142,364	1,529,180	31,336	2,198,394	637,878
Patent or proprietary medicines and compounds	7	22	12	----------	20	43,569	13,529	109,235	944	240,660	130,481
Perfumes, cosmetics, and other toilet preparations	5	6	6	----------	6	10,155	3,925	23,172	416	73,240	49,652
Photo-engraving, not done in printing establishments [3]	8	30	66	----------	93	84,294	115,552	56,701	4,864	421,247	359,682
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	16	43	237	610	702	97,761	358,130	381,600	17,457	1,092,424	693,367
Printing and publishing, book and job	86	221	888	60	1,156	542,526	1,384,080	1,339,362	49,972	4,596,213	3,206,879
Printing and publishing, newspaper and periodical	48	646	467	----------	1,206	1,263,992	932,486	1,990,847	41,360	8,835,506	6,803,299
Signs and advertising novelties [3]	20	65	126	----------	39	117,974	197,666	218,253	38,030	928,554	672,271
Sporting and athletic goods, not including firearms or ammunition	5	10	64	----------	47	22,431	51,346	19,716	1,825	118,644	97,103
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	3	3	9	----------	26	3,960	12,438	21,335	976	39,461	17,150
Stoves and ranges (other than electric) and warm-air furnaces	5	3	6	----------	8	6,257	7,917	20,500	93	51,572	30,979
Surgical and orthopedic appliances, including artificial limbs	6	8	14	----------	12	14,593	19,045	15,405	263	71,457	55,789
Other industries	181	823	4,932	5,554	8,836	2,060,459	6,118,244	22,507,228	453,504	43,385,048	20,424,316
PUEBLO COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	81	571	5,831	46,038	9,178	$1,480,074	$8,703,982	$29,554,511	$7,396,414	$55,909,445	$18,958,520

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

The figures for a few establishments located outside Denver County have been included with those for the county, as specified in footnotes 2 and 3, to avoid disclosing data reported by individual establishments:

[2] Includes data for 1 establishment located outside Denver County.

[3] Includes data for 2 establishments located outside Denver County.

CONNECTICUT

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	3,129	251,861	909,239	381,878	527,361	$328,865,412	$665,661,316	$633,379,231	$32,282,085	$1,471,875,604	$806,214,288
1927	2,877	240,806	847,395	376,132	471,263	304,503,907	596,014,077	566,542,773	29,471,304	1,284,738,563	688,724,486
1925	3,062	242,362	790,087	390,971	399,116	301,199,566	612,642,343	(6)	(6)	1,274,951,562	662,309,219
1923	3,130	265,292	727,021	378,945	348,076	314,828,741	612,961,174	(6)	(6)	1,288,280,767	675,319,593
1921	3,320	210,990	(5)	(5)	(5)	221,125,564	407,846,005	(6)	(6)	836,163,905	428,317,900
1919	4,872	292,672	664,316	421,926	242,390	324,682,251	685,937,199	656,772,879	29,164,320	1,392,431,620	706,494,421
1914	4,104	226,264	452,665	388,371	64,294	125,219,860	288,510,886	276,982,086	11,528,800	545,471,517	256,960,631
1909	4,251	210,792	395,837	362,217	33,620	110,119,045	257,259,393	247,507,596	9,751,797	490,271,695	233,012,302
1904	3,477	181,605	298,157	289,924	8,233	87,942,628	191,301,881	184,145,921	7,155,960	369,082,001	177,780,210
1899	3,382	159,733	251,304	247,089	4,215	73,394,062	169,671,648	(6)	(6)	315,106,150	145,434,502
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	8.8	4.6	7.3	1.5	11.9	8.0	11.7	11.8	9.5	14.6	17.1
1925–1927	−6.0	−0.6	7.3	−3.8	18.1	1.1	−2.7			0.8	4.0
1923–1925	−2.2	−7.9	8.7	3.2	14.7	−4.3	−0.1			−1.0	−1.9
1921–1923	−5.7	24.8				42.4	50.3			54.1	57.7
1919–1921	−31.9	−27.9				−31.9	−40.5			−39.9	−39.4
1919–1929	−35.8	−13.9	36.9	−9.5	117.6	1.3	−3.0	−3.6	10.7	5.7	14.1
1909–1919	14.6	38.8	67.8	16.5	621.0	194.8	166.6	165.4	199.1	184.0	203.2
1899–1909	25.7	32.0	57.5	46.6	697.6	50.0	51.6			55.6	60.2

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929

[For statistics by industries for industrial areas and important counties, see Table 13. For statistics by industries for important cities, see Table 14]

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	1,606,903	3,129	251,861	909,239	$328,865,412	$665,661,316	$633,379,231	$32,282,085	$1,471,875,604	$806,214,288
Industrial Areas										
Bridgeport-New Haven-Waterbury Area [3]	850,151	1,808	136,147	506,495	180,875,136	417,911,036	398,629,650	19,281,386	862,311,307	444,400,271
Hartford Area [4]	421,097	674	65,482	206,930	89,977,178	122,768,417	115,623,013	7,145,404	351,491,271	228,722,854
Counties										
Fairfield [3]	386,702	766	58,829	191,870	79,238,389	188,327,748	181,461,818	6,865,930	387,194,931	198,867,183
Hartford [4]	421,097	674	65,482	206,930	89,977,178	122,768,417	115,623,013	7,145,404	351,491,271	228,722,854
Litchfield	82,556	126	11,986	35,338	14,333,623	28,365,781	26,973,265	1,392,516	62,592,287	34,226,506
Middlesex	51,388	131	6,770	19,933	7,909,561	16,439,746	15,640,038	799,708	39,784,592	23,344,846
New Haven [3]	463,449	1,042	77,318	314,625	101,636,746	229,583,288	217,167,832	12,415,456	475,116,376	245,533,088
New London [3]	118,966	224	16,578	72,257	19,634,218	40,360,212	38,096,059	2,264,153	86,336,899	45,976,687
Tolland	28,659	59	4,151	11,456	4,379,268	10,742,159	10,338,640	403,519	18,862,471	8,120,312
Windham [3]	54,086	107	10,747	56,830	11,256,429	29,073,965	28,078,566	995,399	50,496,777	21,422,812

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

[For statistics by industries for industrial areas and important counties, see Table 13. For statistics by industries for important cities, see Table 14]

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Cities having 10,000 inhabitants or more [5]										
Ansonia	19,898	24	5,510	45,980	$8,083,323	$40,803,646	$39,605,655	$1,197,991	$62,662,211	$21,858,565
Bridgeport [7]	146,716	339	30,671	117,271	39,452,165	81,026,601	77,280,191	3,746,410	176,646,927	95,620,326
Bristol	28,451	32	7,715	37,184	10,673,067	14,136,762	12,927,338	1,209,424	46,234,951	32,098,189
Danbury	22,261	81	5,565	10,616	7,795,546	22,317,395	21,675,370	642,025	37,699,460	15,382,065
Derby	10,788	30	1,218	4,118	1,630,628	2,202,229	2,090,239	111,990	6,181,553	3,979,324
Hartford	164,072	364	24,744	57,156	36,020,538	43,944,133	41,817,547	2,126,586	137,226,292	93,282,159
Meriden	38,481	105	7,038	17,311	9,447,926	11,628,135	11,025,805	602,330	36,765,061	25,136,926
Middletown	24,554	49	4,015	9,833	5,011,657	9,426,107	8,989,383	436,724	20,997,834	11,571,727
Naugatuck	14,315	19	2,885	13,782	3,741,328	6,009,771	5,512,174	497,597	15,375,164	9,365,393
New Britain	68,128	83	14,696	45,883	19,651,267	21,764,180	20,288,974	1,475,206	69,796,967	48,032,787
New Haven [7]	162,655	497	24,974	75,538	31,161,505	53,815,885	49,227,113	4,588,772	130,584,617	76,768,732
New London	29,640	51	2,337	4,535	2,570,525	6,349,400	6,094,080	255,320	12,100,159	5,750,759
Norwalk	36,019	56	2,451	6,438	3,204,987	8,444,174	8,160,195	283,979	17,558,073	9,113,899
Norwich	23,021	72	4,289	15,475	5,228,689	10,759,763	10,259,200	500,563	25,475,387	14,715,624
Stamford	46,346	80	6,466	17,998	9,594,304	12,965,856	12,192,079	773,777	35,469,568	22,503,712
Torrington (borough)	26,040	45	6,895	21,034	8,973,789	19,155,265	18,231,829	923,436	41,193,027	22,037,762
Wallingford (borough)	11,170	35	2,990	7,765	3,917,962	5,273,242	5,009,557	263,685	14,641,443	9,368,201
Waterbury [7]	99,902	181	24,369	120,530	32,968,833	86,104,585	82,052,374	4,052,211	157,285,971	71,181,386
Willimantic	12,102	24	2,230	8,628	2,191,178	9,115,279	8,935,807	179,472	14,702,922	5,587,643

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Bridgeport-New Haven-Waterbury industrial area comprises Fairfield and New Haven counties.
[4] The Hartford industrial area is coextensive with Hartford County.
[5] For statistics by industries for this county, see Table 13.
[6] Not including Shelton, which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for this city from separate publication to avoid disclosing approximations of the data for individual establishments.
[7] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

Census year	All classes			Proprietors and firm members			Principal salaried officers of corporations			Other salaried officers and employees			Wage earners (average for the year)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	289,579	215,127	74,452	1,563	1,490	73	[2] 3,166	[2] 2,973	[2] 193	[2] 32,989	[2] 22,107	[2] 10,882	251,861	[3] 188,557	[3] 63,304
1919 [1], [4]	338,033	252,370	85,663	3,920	3,764	156	3,195	3,055	140	38,246	24,504	13,742	292,672	221,047	71,625
1914 [4]	254,499	191,716	62,783	3,123	2,984	139	2,375	2,300	75	22,737	16,850	5,887	226,264	169,582	56,682
1909	233,871	176,478	57,393	3,468	3,311	157	2,124	2,088	36	17,487	13,420	4,067	210,792	157,659	53,133

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 173; male, 172; female, 1. Other salaried officers and employees—total, 2,722; male, 1,562; female, 1,160. The corresponding data for 1919 and earlier years are included in the respective items for those years but can not be given separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by *italic* figures]

Census year	Average number employed during year	Number employed on 15th day of month or nearest representative day												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	251,861	246,805	250,234	254,409	255,400	255,579	254,978	255,714	255,310	254,192	253,463	247,156	***239,052***	93.5
1919 [1]	292,672	293,231	285,424	282,329	*279,347*	282,178	285,349	285,117	286,077	298,600	305,421	312,133	316,858	88.2
1914 [1]	226,264	228,033	230,542	233,063	232,162	231,433	228,252	223,931	*219,789*	222,889	223,118	220,393	221,543	94.3
1909 [1]	210,792	201,545	*199,325*	202,523	203,599	205,198	208,732	206,295	211,295	218,637	222,052	224,439	225,862	88.3

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	3,129	251,861	45 and over but under 48	179	9,181
			48	650	36,693
Not reported	203	668	Over 48 but under 54	951	114,656
Under 40	45	337	54	227	8,722
40	57	1,895	Over 54 but under 60	350	63,251
Over 40 but under 44	16	1,006	60 and over	149	4,263
44 and over but under 45	402	11,189			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	3,129	4,872	4,251	251,861	292,672	210,792	51 to 100	232	240	223	16,515	17,345	15,880
							101 to 250	274	264	251	43,150	42,185	38,187
No wage earners	69	665	444				251 to 500	165	112	94	38,017	40,149	32,730
1 to 5	1,143	2,207	1,847	3,296	4,800	4,390	501 to 1,000	62	62	48	42,347	43,230	34,219
6 to 20	766	837	886	8,300	9,486	9,911	1,001 to 2,500	34	51	35	51,432	121,548	61,451
21 to 50	434	434	423	14,128	13,929	14,024	2,501 and over	10			34,676		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	3,129	4,872	4,251	251,861	292,672	210,792	$1,471,875,604	$1,392,431,620	$490,271,695	$806,214,288	$706,494,421	$233,012,302
Less than $5,000	[2]	1,155	1,312	[2]	659	1,629	[2]	2,825,354	3,047,313	[2]	1,870,771	1,986,061
$5,000 to $19,999	869	1,395	1,296	2,391	3,897	6,514	10,072,481	14,895,398	13,621,192	6,405,499	8,716,700	7,709,840
$20,000 to $99,999	1,085	1,206	909	11,654	13,577	19,981	51,198,895	54,355,667	40,437,942	31,111,598	28,409,964	21,893,012
$20,000 to $49,999	666	[3]	[3]	4,865	[3]	[3]	21,627,077	[3]	[3]	13,034,329	[3]	[3]
$50,000 to $99,999	419	[3]	[3]	6,789	[3]	[3]	29,571,818	[3]	[3]	18,077,269	[3]	[3]
$100,000 to $499,999	667	635		31,099	33,671		156,402,113	144,981,833		89,463,234	76,906,589	
$100,000 to $249,999	410	[3]		13,281	[3]		65,239,601	[3]		38,068,289	[3]	
$250,000 to $499,999	257	[3]	641	17,818	[3]	87,295	91,162,512	[3]	191,603,190	51,394,945	[3]	97,294,219
$500,000 to $999,999	213	202		29,839	30,617		152,906,393	145,474,477		86,468,298	73,658,688	
$1,000,000 and over	295	279	93	176,878	210,251	95,373	1,101,295,722	1,029,897,891	241,562,058	592,765,659	516,931,709	104,129,170
$1,000,000 to $2,499,999	169	[3]	[3]	45,548	[3]	[3]	267,046,035	[3]	[3]	143,535,332	[3]	[3]
$2,500,000 to $4,999,999	80	[3]	[3]	53,553	[3]	[3]	280,471,784	[3]	[3]	171,444,721	[3]	[3]
$5,000,000 and over	46	[3]	[3]	77,777	[3]	[3]	553,777,903	[3]	[3]	277,785,606	[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[2] No data.

[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	3,129	4,872	251,861	292,672	$1,471,875,604	$1,392,431,620	$806,214,288	$706,494,421
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,846	1,864	238,948	275,673	1,410,275,330	1,307,239,450	773,184,020	666,053,423
Other forms of ownership or control (individual, partnership, etc.)	1,283	3,008	12,913	16,999	61,600,274	85,192,170	33,030,268	40,440,998
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	470	(1)	136,773	(1)	855,954,209	(1)	443,510,795	(1)
Independent (single-unit)	2,659	(1)	115,088	(1)	615,921,395	(1)	362,703,493	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers									Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	909,239	381,878	799	151,631	226	171,883	112	5,555	343	52,809	68,866	527,361	28,968	223,683
1927	847,395	376,132	915	167,053	214	150,391	153	6,117	395	52,571	51,839	471,263	28,119	219,626
1925	790,087	390,971	1,009	197,651	221	118,705	153	18,308	446	56,307	43,536	399,116	22,878	190,062
1919 [1]	664,316	421,926	1,601	230,934	176	106,812	481	10,928	671	70,252	23,405	242,390	14,005	154,573
1914 [1]	452,665	388,371	[2] 2,270	[2] 303,799	(3)	(3)	437	17,770	732	66,802	7,800	64,294	9,576	111,715
Industrial Areas: 1929														
Bridgeport-New Haven-Waterbury Area	506,495	188,812	361	73,043	129	107,213	43	1,397	61	7,159	37,513	317,683	15,451	123,824
Hartford Area	206,930	62,728	118	26,742	39	25,292	24	740	66	9,954	18,415	144,202	4,334	38,764
Counties in which aggregate horsepower exceeded 25,000: 1929														
Fairfield	191,870	72,026	136	31,995	44	37,319	13	459	19	2,253	15,753	119,844	7,114	35,998
Hartford	206,930	62,728	118	26,742	39	25,292	24	740	66	9,954	18,415	144,202	4,334	38,764
Litchfield	35,338	20,146	34	4,347	17	13,973	6	325	19	1,501	2,049	15,192	1,386	20,133
New Haven	314,625	116,786	225	41,048	55	69,894	30	938	42	4,906	21,760	197,839	8,337	87,826
New London	72,257	46,924	125	20,357	20	10,868	11	1,826	57	13,873	5,252	25,333	3,748	18,750
Windham	56,830	46,651	72	17,467	14	14,216	11	565	60	14,403	3,089	10,179	2,470	14,263

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

County	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	County	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	909,239	381,878	527,361	223,683	Middlesex	19,933	8,130	11,803	3,188
					New Haven	314,625	116,786	197,839	87,826
Fairfield	191,870	72,026	119,844	35,998	New London	72,257	46,924	25,333	18,750
Hartford	206,930	62,728	144,202	38,764	Tolland	11,456	8,487	2,969	4,761
Litchfield	35,338	20,146	15,192	20,133	Windham	56,830	46,651	10,179	14,263

[1] Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	2,593,474	$14,850,213	2,334,068	2,476,760	2,727,026	2,070,728	1,945,388
Anthracite (tons, 2,240 pounds)	101,883	980,465	(3)	176,950	398,121	371,893	387,424
Bituminous (tons, 2,000 pounds)	2,479,365	13,869,748	(3)	2,278,576	2,281,130	1,654,208	1,511,473
Coke (tons, 2,000 pounds)	189,122	1,595,350	(4)	(4)	163,288	63,135	60,527
Fuel oils, including crude oils and gas oils (gallons) [5]	81,423,755	4,276,962	(4)	(4)	60,798,612	19,823,832	20,768,916
Gasoline and kerosene (gallons) [5]	1,711,326	249,762	(4)	(4)	1,369,956		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	5,681,807	2,709,460	(4)	(4)	627,462	291,802	593,691
Other fuels		295,750	(4)	(4)	(4)	(4)	(4)
Electric energy purchased (kilowatt-hours)	634,837,747	10,576,742	(6) Cost	(4) Cost	(4) Cost	(4) Cost	(4) Cost
Total cost of fuel and purchased energy		[7] 34,554,239		(8)	$29,164,320	$11,528,800	$9,751,797

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	3,129	[3]36,155	251,861	381,878	527,361	*Dollars* 293,480,036	*Dollars* 328,865,412	*Dollars* 633,379,251	*Dollars* 32,282,085	*Dollars* 1,471,875,604	*Dollars* 806,214,288
Ammunition and related products	3	296	3,232	7,970	5,318	680,219	4,137,811	10,687,359	417,665	22,519,731	11,414,707
Awnings, tents, sails, and canvas covers	26	27	97	-------	47	66,666	107,870	202,087	5,213	535,993	328,693
Belting, leather	8	13	21	-------	42	32,625	34,139	205,902	2,214	330,501	122,385
Beverages	101	109	301	75	879	231,553	403,061	1,038,692	54,626	2,833,301	1,744,983
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	5	39	214	860	280	118,542	253,465	423,120	22,367	1,156,234	710,747
Bookbinding and blank-book making	8	2	28	-------	23	(4)	20,741	20,365	827	105,608	84,416
Boxes, paper, not elsewhere classified	47	206	2,290	275	2,831	675,536	2,485,171	4,434,744	136,574	10,160,766	5,589,478
Boxes, wooden, except cigar boxes	7	12	59	250	99	34,585	78,502	212,194	2,563	461,529	246,772
Bread and other bakery products	353	292	2,562	7	3,725	559,630	3,803,910	9,096,910	519,241	19,225,874	9,609,723
Buttons	11	85	574	339	628	238,143	588,116	806,972	37,298	2,224,667	1,380,397
Chemicals, not elsewhere classified	7	102	373	295	1,645	277,686	512,616	2,447,403	100,336	4,465,635	1,917,896
Cigars and cigarettes	37	38	603	-------	20	98,159	748,311	767,188	7,258	2,114,840	1,340,414
Clay products (other than pottery) and nonclay refractories	21	81	743	1,613	4,075	255,825	1,008,479	180,969	405,073	2,044,026	1,337,984
Cleaning and polishing preparations	10	44	153	172	1,782	138,957	226,694	680,594	61,990	1,607,457	864,873
Clocks, clock movements, time-recording devices, and time stamps	7	410	5,005	1,360	3,301	1,103,639	5,833,671	3,752,467	164,215	15,467,165	11,550,483
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	30	53	751	-------	147	122,804	1,018,175	822,383	23,133	2,921,161	2,063,645
Clothing, women's, not elsewhere classified	73	221	3,484	-------	970	613,013	2,807,368	4,249,031	60,492	9,416,328	5,106,805
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	5	4	87	-------	30	9,810	57,274	96,100	2,330	216,045	117,565
Coffee and spice, roasting and grinding	7	11	22	-------	123	40,075	26,309	680,300	6,240	841,580	155,040
Concrete products	33	75	393	326	718	217,414	591,970	463,845	19,004	1,674,165	1,191,316
Confectionery	18	85	426	12	789	242,230	388,457	1,403,429	31,780	3,039,328	1,604,119
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	26	73	305	-------	429	193,228	449,247	910,414	16,613	1,875,692	948,665
Cordage and twine	14	67	368	1,306	473	159,700	316,138	978,169	25,790	1,992,665	988,715
Corsets and allied garments	15	339	2,800	1,475	381	1,071,646	2,380,831	6,293,308	66,962	13,669,679	7,309,409
Cotton goods	33	512	10,789	57,382	12,959	1,416,295	10,723,851	22,636,597	990,125	40,495,128	16,808,406
Cotton small wares	16	295	2,452	1,150	3,016	705,891	2,648,665	6,224,405	194,600	10,800,314	4,381,309

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[3] Not including data for 2,895 employees of central administrative offices, with salaries aggregating $7,964,231. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[1]	Cost of fuel and purchased electric energy	Value of products[1]	Value added by manufacture[1]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Cutlery (not including silver and plated cutlery) and edge tools	26	243	2,534	6,537	2,967	613,278	3,145,040	2,123,578	250,267	8,529,272	6,155,427
Dyeing and finishing textiles	21	367	2,309	11,022	3,207	1,144,002	2,801,222	4,421,602	569,968	12,440,511	7,448,941
Electrical machinery, apparatus, and supplies	59	2,384	15,225	25,397	18,340	5,923,587	17,732,189	38,683,095	1,228,150	86,893,996	46,982,751
Electroplating	9	36	174	-------	648	66,081	241,263	32,302	34,247	576,317	509,768
Emery wheels and other abrasive and polishing appliances	4	11	85	-------	120	50,340	78,634	640,186	9,433	1,021,792	372,173
Engines, turbines, tractors, and water wheels	12	318	1,676	1,535	2,461	1,039,693	2,738,077	6,186,914	104,304	20,169,206	13,877,988
Engraving, steel and copperplate, and plate printing	7	23	102	-------	53	70,543	86,298	120,343	2,059	370,660	248,258
Engraving, wood	3	-------	7	-------	2	----------	13,284	3,564	110	45,666	41,992
Fancy and miscellaneous articles, not elsewhere classified	19	118	1,247	65	1,711	323,399	1,360,381	1,187,170	69,057	3,870,110	2,613,883
Felt goods, wool, hair, or jute	4	36	213	865	936	132,190	312,164	1,174,381	61,034	1,839,846	604,431
Fertilizers	7	62	171	245	1,054	192,835	181,697	2,027,250	18,707	3,181,350	1,135,393
Firearms	8	380	2,979	4,427	2,981	755,485	4,100,077	1,633,167	278,904	10,165,226	8,253,155
Flavoring extracts and flavoring sirups	4	1	7	100	7	(1)	11,977	30,923	10,777	79,157	37,457
Flour and other grain-mill products	8	12	13	245	455	16,211	16,613	197,879	4,986	258,707	55,842
Food preparations, not elsewhere classified	7	10	34	-------	58	17,469	38,418	199,380	4,851	326,918	122,687
Forgings, iron and steel, not made in plants operated in connection with rolling mills	14	90	650	787	3,030	288,730	1,081,006	1,655,224	188,718	4,415,321	2,571,379
Foundry and machine-shop products, not elsewhere classified	177	2,873	19,481	10,217	75,551	7,993,456	29,255,236	28,146,540	2,627,952	106,511,723	75,737,231
Fur goods	8	13	66	-------	26	39,831	87,096	291,116	2,758	509,791	215,917
Furnishing goods, men's, not elsewhere classified	10	42	603	-------	114	153,095	588,345	2,812,361	13,308	4,619,007	1,793,138
Furniture, including store and office fixtures	41	178	1,246	75	1,893	508,125	1,787,739	2,948,972	61,812	6,858,951	3,848,167
Gas and electric fixtures; lamps, lanterns, and reflectors	18	316	1,224	185	2,785	673,668	1,779,349	2,018,986	103,717	5,138,314	3,015,611
Gas, manufactured, illuminating and heating	17	623	1,180	4,127	5,060	1,129,959	1,496,077	2,921,416	2,163,410	13,102,339	8,017,513
Glass products (except mirrors) made from purchased glass	10	27	121	50	167	60,614	170,603	184,912	9,736	526,412	331,764
Hand stamps and stencils and brands	10	27	68	-------	54	78,695	93,140	68,647	3,146	324,237	252,444
Hardware not elsewhere classified	57	3,307	17,951	23,062	18,521	6,812,784	22,991,883	18,602,533	1,263,016	71,231,720	51,366,171
Hat and cap materials, men's	19	74	886	1,527	1,107	224,356	1,071,859	5,974,222	128,407	9,099,969	2,997,340
Hats and caps, except felt and straw, men's	9	7	77	-------	19	9,405	88,743	208,391	1,856	399,991	189,744
Hats, fur-felt	36	458	6,078	5,270	3,276	1,484,352	8,467,429	22,795,161	455,036	39,944,172	16,693,975
House-furnishing goods, not elsewhere classified	12	73	720	1,421	498	158,973	671,277	5,577,404	37,777	9,985,924	4,370,743
Ice cream	43	130	421	165	3,244	297,337	674,093	2,299,080	116,404	5,315,173	2,899,689
Ice, manufactured	10	16	63	600	2,496	39,475	112,966	30,176	114,155	548,649	404,318
Knit goods	16	126	1,343	2,100	123	305,230	1,220,375	2,304,595	67,113	4,981,129	2,609,421
Leather goods, not elsewhere classified	6	14	80	-------	35	22,642	55,054	128,532	1,853	255,266	124,881
Leather: Tanned, curried, and finished	5	26	179	255	315	100,127	248,955	1,204,442	22,005	1,888,091	661,644
Lime	5	4	86	50	637	9,360	111,660	194,147	78,383	558,277	285,747
Lumber and timber products, not elsewhere classified	42	14	253	1,691	38	41,260	254,644	204,020	9,054	793,470	580,396
Macaroni, spaghetti, vermicelli, and noodles	12	14	67	-------	328	30,161	82,943	365,942	22,596	611,543	223,005
Machine-tool accessories and small metal-working tools, not elsewhere classified	39	296	1,676	566	2,989	895,929	2,506,702	1,084,983	142,812	7,996,056	6,768,261
Machine tools	22	1,044	6,402	2,400	14,708	2,892,273	10,775,354	5,071,566	509,597	27,929,755	22,348,592
Marble, granite, slate, and other stone products	29	63	372	590	2,473	214,818	688,242	458,786	73,275	1,935,773	1,403,712
Mattresses and bed springs, not elsewhere classified	24	25	115	-------	313	67,995	163,145	526,323	11,044	973,000	435,633
Millinery	4	7	95	-------	21	31,100	98,417	232,414	2,538	402,750	167,798
Models and patterns, not including paper patterns	25	26	184	-------	357	64,113	344,223	90,656	11,228	690,308	588,424
Motor-vehicle bodies and motor-vehicle parts	23	102	866	263	1,610	264,851	1,224,419	1,824,147	64,720	4,765,415	2,876,548
Musical instrument parts and materials: Piano and organ	6	91	534	2,130	677	254,979	522,401	472,097	65,221	1,503,843	966,525
Needles, pins, hooks and eyes, and snap fasteners	10	251	2,388	1,912	1,138	541,178	2,719,761	2,163,265	89,234	8,876,529	6,624,030
Nonferrous-metal alloys and products, not including aluminum products	62	2,849	22,478	72,278	103,151	8,895,497	32,818,770	137,998,355	5,642,966	224,229,776	80,588,425
Oils, essential	4	27	55	134	154	76,775	49,918	155,287	8,305	502,178	338,586
Paints and varnishes	12	86	255	-------	2,026	207,688	333,200	2,481,657	27,247	4,812,279	2,303,375
Paper	27	236	2,032	28,175	9,689	879,445	2,866,908	6,872,541	1,274,177	17,361,068	9,214,350
Paper goods, not elsewhere classified	5	14	60	-------	191	32,030	69,060	199,554	7,450	406,618	199,614
Patent or proprietary medicines and compounds	19	135	267	160	438	255,611	215,576	1,423,861	24,893	6,068,006	4,619,252
Perfumes, cosmetics, and other toilet preparations	11	87	351	-------	269	242,665	280,198	2,234,223	11,633	8,140,562	5,894,706
Photo-engraving, not done in printing establishments	15	68	140	-------	130	271,909	300,432	121,261	13,419	967,312	832,632
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	64	236	1,031	1,835	5,399	654,457	1,619,620	2,530,057	108,525	5,840,887	3,202,305
Plated ware	26	799	5,275	4,641	6,674	1,771,294	7,323,056	8,426,000	344,130	27,903,210	19,133,080
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	10	155	824	1,433	818	460,737	1,079,618	1,683,505	93,995	4,265,634	2,488,134
Printing and publishing, book and job	203	561	1,950	12	3,124	1,273,090	2,958,078	3,146,062	148,831	10,515,671	7,220,778
Printing and publishing, newspaper and periodical	92	2,227	2,277	51	4,930	5,268,914	3,946,446	4,993,990	233,911	27,911,577	22,683,676
Rubber goods other than tires, inner tubes, and boots and shoes	16	449	3,200	2,771	17,488	1,126,518	3,889,270	9,247,492	612,689	19,268,069	9,407,888
Saddlery and harness	5	9	29	-------	40	15,608	32,577	94,838	1,291	183,257	87,128
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	24	35	124	10	659	78,634	189,877	2,065,247	31,785	2,694,871	597,839
Saws	5	44	223	-------	417	127,008	265,418	710,143	29,924	1,326,540	586,473
Screw-machine products and wood screws	25	373	3,366	3,145	5,793	897,996	4,346,434	5,968,808	308,496	14,679,415	8,402,111
Ship and boat building, steel and wooden, including repair work	25	93	846	1,231	1,055	361,250	1,354,599	1,209,332	84,856	3,652,982	2,358,794
Shirts	19	125	2,393	200	362	352,675	2,071,584	3,580,093	46,746	7,796,523	4,169,684
Signs and advertising novelties	17	69	138	-------	44	148,783	248,733	191,601	1,568	936,612	743,443
Silk and rayon manufactures	38	686	10,501	6,851	9,314	2,503,836	12,845,892	27,050,300	694,870	54,298,469	26,553,299

See footnotes 1 and 2 on first page of this table.

[1] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [3]
Sporting and athletic goods, not including firearms or ammunition	10	130	1,244	632	2,673	*Dollars* 286,036	*Dollars* 1,533,362	*Dollars* 1,509,397	*Dollars* 149,165	*Dollars* 4,816,089	*Dollars* 3,156,527
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	22	240	1,882	641	2,381	721,687	2,047,224	3,250,115	107,727	7,580,336	4,222,494
Stationery goods, not elsewhere classified	5	65	369	----	398	174,364	353,727	854,918	18,767	1,687,748	814,073
Steam fittings and steam and hot-water heating apparatus	10	591	2,828	150	9,937	1,231,905	4,289,045	4,899,789	346,479	14,934,753	9,688,495
Stereotyping and electrotyping, not done in printing establishments	7	26	147	----	439	127,174	278,737	126,637	21,933	731,027	583,667
Stoves and ranges (other than electric) and warm-air furnaces	5	81	302	1,200	420	206,586	616,455	1,048,973	20,368	2,628,805	1,559,464
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	22	123	446	350	973	431,012	704,833	1,590,095	29,876	3,405,734	1,785,763
Surgical and orthopedic appliances, including artificial limbs	15	72	432	930	436	138,581	341,426	2,037,586	47,254	3,298,443	1,213,603
Suspenders, garters, and other elastic woven goods, made from purchased webbing	5	46	394	----	120	133,208	481,224	1,275,679	9,403	2,643,824	1,358,742
Tools, not including edge tools, machine tools, files, or saws	35	569	2,624	2,333	5,968	1,275,666	3,788,965	3,415,987	315,687	11,373,978	7,642,304
Toys (not including children's wheel goods or sleds), games, and playground equipment	20	168	1,359	370	1,441	621,578	1,399,261	1,913,086	59,497	5,449,310	3,476,727
Typewriters and parts	5	541	8,869	2,220	6,304	1,291,195	11,735,383	3,342,075	224,709	25,406,203	21,839,419
Vinegar and cider	4	2	11	15	76	(4)	12,367	48,093	1,280	92,702	43,329
Watch and clock materials and parts, except watch-cases	6	13	102	----	53	30,780	94,216	40,967	4,731	264,211	218,513
Window and door screens and weather strip	8	16	48	----	71	40,058	70,999	117,505	1,561	289,784	170,718
Window shades and fixtures	4	2	21	30	62	(4)	17,400	45,483	122	94,045	48,440
Wire, drawn from purchased bars or rods	5	126	901	6,140	2,750	407,758	1,521,598	2,921,765	267,081	7,660,107	4,471,261
Wirework, not elsewhere classified	26	147	864	456	1,512	496,486	1,081,215	1,710,824	82,972	4,767,904	2,974,108
Wood turned and shaped and other wooden goods, not elsewhere classified	16	19	149	295	266	40,239	162,207	311,821	9,371	658,094	336,902
Woolen goods	32	413	5,357	14,991	2,456	1,572,565	6,036,676	12,073,924	547,563	22,457,785	9,836,298
Worsted goods	11	235	3,932	5,364	3,639	692,295	5,742,628	17,684,694	292,001	27,890,179	9,913,484
Other industries	256	5,328	31,383	38,286	89,592	12,421,548	41,659,888	99,313,983	6,489,347	215,326,973	110,623,643

See footnotes 1 and 2 on first page of this table.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR IMPORTANT COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each industrial area (see GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county (i. e., each county in which 10,000 wage earners or more were employed in manufacturing and printing and publishing industries) in the State, except Litchfield County, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [5]	Cost of fuel and purchased electric energy	Value of products [5]	Value added by manufacture [6]
BRIDGEPORT-NEW HAVEN-WATERBURY INDUSTRIAL AREA											
[This area comprises Fairfield and New Haven Counties. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnotes 1 and 2), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	1,808	21,809	136,147	188,812	317,683	*Dollars* 55,421,159	*Dollars* 180,876,135	*Dollars* 398,629,650	*Dollars* 19,281,386	*Dollars* 862,311,307	*Dollars* 444,400,271
Awnings, tents, sails, and canvas covers	17	13	63	----	28	43,835	74,196	144,080	3,081	364,144	216,983
Beverages	51	63	167	75	496	131,809	228,695	518,167	29,173	1,476,840	929,500
Boxes, paper, not elsewhere classified	30	156	1,865	250	2,156	498,592	2,069,448	3,138,672	93,056	7,775,134	4,543,406
Boxes, wooden, except cigar boxes	3	4	12	----	35	7,085	13,606	44,013	599	80,251	35,639
Bread and other bakery products	201	193	1,515	----	2,276	392,119	2,234,435	5,485,564	289,628	11,672,167	5,896,975
Cigars and cigarettes	27	36	547	----	19	87,954	676,551	673,032	6,916	1,868,343	1,188,396
Clay products (other than pottery) and nonclay refractories	6	37	256	1,093	664	99,460	356,277	80,528	116,648	817,644	620,468

[5] See GENERAL EXPLANATIONS.—Duplication in Cost of Materials and Value of Products.

[6] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BRIDGEPORT-NEW HAVEN-WATERBURY INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Clothing, women's, not elsewhere classified	54	179	2,893	-------	599	482,367	2,248,613	3,569,662	43,888	7,632,512	4,018,962
Concrete products	24	61	337	26	389	193,208	503,038	277,080	13,862	1,270,216	979,274
Confectionery	11	82	397	2	768	236,330	366,284	1,346,261	28,897	2,905,349	1,530,191
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	18	49	237	-------	389	142,747	374,496	762,592	13,452	1,531,512	755,468
Corsets and allied garments	15	339	2,800	1,475	381	1,071,646	2,380,831	6,293,308	66,962	13,669,679	7,309,409
Cutlery (not including silver and plated cutlery) and edge tools	14	104	1,027	2,572	694	222,749	1,272,455	690,435	92,981	2,925,532	2,142,116
Dyeing and finishing textiles	5	32	215	288	439	147,231	270,399	490,589	61,640	1,308,705	756,476
Electrical machinery, apparatus, and supplies	37	1,699	10,222	22,251	10,244	3,897,799	11,630,929	29,415,597	855,943	59,190,043	28,918,503
Fertilizers	3	19	87	50	565	55,958	69,014	767,738	9,807	1,031,268	253,723
Food preparations, not elsewhere classified	3	10	22	-------	26	17,469	19,222	63,155	1,497	150,604	85,952
Forgings, iron and steel, not made in plants operated in connection with rolling mills	8	68	378	332	1,990	173,705	635,843	796,471	120,451	2,490,190	1,573,268
Foundry and machine-shop products, not elsewhere classified	108	1,210	8,306	3,706	31,946	3,529,547	12,633,541	10,489,962	1,015,341	40,799,992	29,294,689
Furniture, including store and office fixtures	27	65	629	-------	705	187,819	852,762	1,740,484	24,906	3,315,167	1,549,777
Gas, manufactured, illuminating and heating	8	415	892	2,721	2,520	784,567	1,045,703	1,787,931	1,479,770	8,621,486	5,353,785
Glass products (except mirrors) made from purchased glass [1]	10	27	121	50	167	60,614	170,603	184,912	9,736	526,412	331,764
Hardware not elsewhere classified	36	1,899	9,681	9,582	8,247	4,170,651	12,355,476	9,241,770	627,865	36,228,054	26,358,419
Hat and cap materials, men's	19	74	886	1,527	1,107	224,356	1,071,859	5,974,222	128,407	9,026,969	2,997,340
Hats, fur-felt [2]	36	458	6,078	5,270	3,276	1,484,352	8,467,429	22,795,161	455,036	39,944,172	16,693,975
Ice cream	24	81	276	165	2,047	160,239	450,801	1,466,546	72,847	3,457,753	1,918,360
Lumber and timber products, not elsewhere classified	7	3	25	392	-------	8,900	30,863	13,650	643	97,109	82,816
Marble, granite, slate, and other stone products	12	33	191	270	1,421	130,077	365,326	243,704	43,849	989,977	702,424
Mattresses and bed springs, not elsewhere classified	15	16	69	-------	200	49,950	91,967	286,508	5,398	535,592	243,686
Models and patterns, not including paper patterns	18	20	125	-------	255	36,693	226,649	52,540	7,269	444,107	384,298
Nonferrous-metal alloys and products, not including aluminum products	43	2,560	19,675	60,585	91,482	8,119,279	28,756,618	119,468,109	4,785,421	193,719,499	69,465,969
Paper	6	39	363	8,905	353	155,358	501,623	1,591,918	316,366	3,977,819	2,069,535
Patent or proprietary medicines and compounds	11	114	238	80	373	211,660	183,155	1,227,781	21,222	5,505,626	4,256,623
Photo-engraving, not done in printing establishments	9	41	101	-------	93	138,236	215,342	94,303	8,645	641,594	538,646
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	39	128	506	1,030	3,508	343,908	824,781	1,424,460	63,321	3,171,757	1,683,976
Plated ware	20	741	4,784	4,276	5,983	1,604,562	6,732,745	7,480,329	310,391	25,736,101	17,945,381
Printing and publishing, book and job	116	376	996	-------	1,442	804,297	1,462,107	1,407,232	71,573	5,510,891	4,032,086
Printing and publishing, newspaper and periodical	48	1,650	1,528	-------	2,911	4,026,102	2,661,222	3,800,326	149,739	21,122,246	17,172,181
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	17	32	92	-------	517	66,429	132,297	1,501,573	23,030	1,957,291	432,688
Screw-machine products and wood screws	13	82	744	692	1,600	235,692	831,398	2,099,210	85,019	4,092,354	1,908,125
Ship and boat building, steel and wooden, including repair work	12	19	243	131	288	77,610	475,748	500,331	7,252	1,374,256	866,673
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	18	214	1,634	541	2,267	618,469	1,797,194	2,871,974	96,622	6,709,444	3,740,848
Steam fittings and steam and hot-water heating apparatus	4	493	207	50	7,948	1,026,605	3,421,066	3,961,379	259,862	12,005,475	7,784,234
Tools, not including edge tools, machine tools, files, or saws	16	120	493	-------	1,360	327,971	665,414	535,119	36,185	2,286,889	1,715,585
Wire, drawn from purchased bars or rods	5	126	901	6,140	2,750	407,758	1,521,598	2,921,765	267,081	7,660,107	4,471,261
Wirework, not elsewhere classified	17	111	652	400	1,227	376,610	821,184	1,319,426	64,848	3,735,897	2,351,623
Wood turned and shaped and other woolen goods, not elsewhere classified	8	7	68	60	197	14,310	76,753	87,307	5,233	246,656	154,116
Other industries	562	7,511	50,614	53,375	119,387	18,141,475	66,624,379	137,527,702	6,991,894	300,693,107	156,173,511

See footnotes *a* and *b* on first page of this table.

The figures for a few establishments located outside the Bridgeport-New Haven-Waterbury Industrial Area have been included in those for the area, as specified in footnotes 1 and 2, to avoid disclosing data reported by individual establishments.

[1] Includes data for 2 establishments located outside the industrial area.

[2] Includes data for 1 establishment located outside the industrial area.

HARTFORD INDUSTRIAL AREA

[This area is coextensive with Hartford County]

						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	674	9,397	65,482	62,728	144,202	25,185,630	89,977,178	115,623,013	7,145,404	351,491,271	228,722,854
Awnings, tents, sails, and canvas covers	5	12	27	-------	11	20,355	23,504	45,949	1,466	135,810	88,395
Beverages	29	35	98	-------	240	80,170	131,892	368,573	17,353	964,705	578,779
Bookbinding and blank-book making	5	2	10	-------	15	(1)	10,182	11,548	433	57,017	45,036
Boxes, paper, not elsewhere classified	7	19	152	-------	154	56,518	131,263	151,326	7,731	472,886	313,829
Boxes, wooden, except cigar boxes	4	8	47	250	64	27,500	64,896	168,781	1,964	381,278	211,133
Bread and other bakery products	85	80	712	-------	1,080	126,688	1,080,139	2,485,375	154,940	5,397,135	2,756,820
Clothing, women's, not elsewhere classified	14	21	393	-------	76	55,061	331,267	434,170	11,513	1,143,940	698,257
Cutlery (not including silver and plated cutlery) and edge tools	5	110	1,147	3,220	1,880	291,447	1,420,771	1,134,687	120,010	4,530,568	3,275,871
Electrical machinery, apparatus, and supplies	13	597	4,435	2,266	7,717	1,861,741	5,395,084	7,579,667	313,408	24,308,625	16,415,550
Flour and other grain-mill products	3	8	4	225	224	8,250	5,140	66,136	1,669	92,830	25,025
Forgings, iron and steel, not made in plants operated in connection with rolling mills	6	22	272	455	1,040	115,025	445,163	858,753	68,267	1,925,131	998,111
Foundry and machine-shop products, not elsewhere classified	43	1,326	9,227	4,465	38,745	3,425,114	13,872,712	15,392,570	1,372,312	57,160,502	40,395,620

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
HARTFORD INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Furniture, including store and office fixtures	11	105	578	-------	1,085	296,586	890,314	1,144,636	34,958	3,372,743	2,193,149
Ice cream	8	33	99	-------	829	87,818	162,233	597,344	28,949	1,336,162	709,869
Knit goods	7	77	614	1,270	36	194,833	565,272	1,009,173	35,981	2,341,080	1,295,926
Lumber and timber products, not elsewhere classified	3	-------	14	60	-------	----------	16,500	5,570	405	35,580	29,605
Macaroni, spagbetti, vermicelli, and noodles	5	-------	11	-------	69	----------	15,701	55,967	5,836	105,080	43,277
Machine-tool accessories and small metal-working tools, not elsewhere classified	15	143	870	560	1,322	474,568	1,321,952	589,671	77,881	4,187,477	3,519,925
Machine tools	7	553	3,071	-------	6,272	1,378,144	5,236,926	2,621,768	250,452	13,803,263	10,931,043
Marble, granite, slate, and other stone products	8	16	79	-------	667	47,248	145,247	156,722	13,371	572,484	402,391
Models and patterns, not including paper patterns	7	6	59	-------	102	27,420	117,574	38,116	3,959	246,201	204,126
Motor-vehicle bodies and motor-vehicle parts	5	11	64	-------	101	29,458	71,040	125,074	6,605	268,886	137,207
Paper	13	106	890	10,157	6,596	412,068	1,272,511	2,488,454	435,634	6,629,112	3,705,024
Photo-engraving, not done in printing establishments	6	27	39	-------	37	138,673	85,090	26,958	4,774	325,718	293,986
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	13	53	222	130	1,525	195,241	390,604	434,492	29,549	1,346,041	882,000
Printing and publishing, book and job	63	164	851	-------	1,542	418,921	1,359,674	1,628,292	67,774	4,561,141	2,865,075
Printing and publishing, newspaper and periodical	17	470	484	-------	1,466	945,338	894,359	954,939	49,226	5,261,278	4,257,113
Tools, not including edge tools, machine tools, files, or saws	15	439	2,095	2,050	4,562	917,509	3,079,368	2,846,637	274,884	8,932,032	5,810,511
Wood turned and shaped and other wooden goods, not elsewhere classified	3	2	14	-------	56	[3]	16,704	16,452	1,735	51,151	32,964
Woolen goods	4	35	764	1,715	313	153,618	996,969	2,076,667	84,067	3,813,256	1,652,522
Other industries	245	4,917	38,140	35,905	66,376	13,400,318	50,427,127	70,109,146	3,668,298	197,732,159	123,954,715

See footnotes *a* and *b* on first page of this table.

[3] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

FAIRFIELD COUNTY

All industries, total	766	10,163	58,829	72,026	119,844	*Dollars* 25,926,698	*Dollars* 79,238,389	*Dollars* 181,461,818	*Dollars* 6,865,930	*Dollars* 387,194,931	*Dollars* 198,867,183
Awnings, tents, sails, and canvas covers	7	6	34	-------	14	22,410	51,938	91,039	1,870	221,694	128,785
Beverages	20	31	71	-------	234	67,459	105,047	238,528	12,842	642,726	391,356
Boxes, paper, not elsewhere classified	15	79	668	250	491	235,239	651,590	962,572	21,283	2,354,498	1,370,643
Bread and other bakery products	66	94	692	-------	708	212,763	1,033,916	2,162,702	106,475	4,681,513	2,412,336
Cigars and cigarettes	8	7	61	-------	1	16,150	62,434	74,459	647	198,892	123,786
Clothing, women's, not elsewhere classified	29	127	1,668	-------	388	326,188	1,338,349	2,733,345	28,921	5,138,646	2,376,380
Concrete products	12	14	31	5	95	22,225	38,706	65,687	2,927	179,538	110,924
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	11	28	110	-------	179	91,151	206,819	305,558	8,601	749,207	435,048
Electrical machinery, apparatus, and supplies	15	1,007	6,328	18,890	2,840	2,180,491	7,170,554	17,503,283	468,814	32,845,923	14,873,826
Fancy and miscellaneous articles, not elsewhere classified	7	86	900	-------	1,388	249,669	1,017,923	761,796	44,908	2,676,572	1,869,868
Foundry and machine-shop products, not elsewhere classified	51	423	2,153	1,115	4,215	1,263,195	3,389,227	2,423,673	209,250	9,996,827	7,363,904
Furniture, including store and office fixtures	12	31	446	-------	476	100,837	600,648	1,220,256	17,574	2,269,857	1,032,047
Hardware not elsewhere classified	16	952	5,137	6,800	3,391	2,445,811	6,986,134	5,390,125	354,892	21,505,215	15,760,198
Hat and cap materials, men's	19	74	886	1,527	1,107	224,356	1,071,859	5,974,222	128,407	9,099,969	2,997,340
Hats, fur-felt [4]	36	458	6,078	5,276	1,484,352	8,467,429	22,795,161	455,036	39,944,172	16,693,975	
Ice cream	7	35	124	-------	897	86,966	223,462	606,015	31,677	1,541,057	903,365
Mattresses and bed springs, not elsewhere classified	5	3	17	-------	40	6,885	23,140	57,209	1,296	118,097	59,592
Models and patterns, not including paper patterns	12	12	99	-------	181	28,605	185,491	41,257	5,785	358,481	311,439
Nonferrous-metal alloys and products, not including aluminum products	15	442	2,506	6,175	8,750	1,126,400	3,741,035	14,910,872	660,102	25,278,722	9,707,748
Photo-engraving, not done in printing establishments	3	13	29	-------	21	51,303	77,572	31,707	2,532	221,057	186,818
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	13	88	304	585	1,373	256,991	510,788	1,006,632	33,342	2,163,317	1,123,343
Plated ware	8	157	1,079	312	1,694	457,215	1,526,011	1,911,560	54,614	5,401,769	3,435,595
Printing and publishing, book and job	39	55	203	-------	342	124,238	322,080	304,703	16,206	1,124,679	803,770
Printing and publishing, newspaper and periodical	21	1,001	983	-------	1,561	2,760,226	1,699,857	2,579,471	94,387	15,429,642	12,755,784
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	3	18	33	-------	25	32,200	45,000	661,712	5,680	849,804	182,412
Ship and boat building, steel and wooden, including repair work	6	17	207	120	260	74,392	428,947	444,002	6,569	1,243,922	793,351
Shirts	8	52	1,093	200	65	135,540	996,053	1,979,216	23,637	4,003,366	2,000,513
Silk and rayon manufactures	7	31	372	-------	359	91,452	466,272	1,028,917	23,778	1,920,600	867,905
Sporting and athletic goods, not including firearms or ammunition	3	15	67	-------	127	38,345	69,920	132,026	6,362	405,751	267,363
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	6	33	403	-------	365	149,237	384,141	757,189	17,397	1,700,517	925,931
Steam fittings and steam and hot-water heating apparatus	4	493	2,207	50	7,948	1,026,605	3,421,066	3,961,379	259,862	12,005,475	7,784,234

[4] The figures for the "Hats, fur-felt" industry include data for 1 establishment located outside the county. These adjustments have been made to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
FAIRFIELD COUNTY—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	6	49	169	-------	595	125,650	263,566	427,937	11,381	1,086,981	647,663
Tools, not including edge tools, machine tools, files, or saws	8	69	292	-------	752	186,501	367,741	450,115	18,818	1,484,523	1,015,690
Toys (not including children's wheel goods or sleds), games, and playground equipment	7	43	287	-------	129	108,086	274,845	394,962	7,967	835,539	432,610
Wirework, not elsewhere classified	11	46	310	-------	941	144,799	416,005	692,796	40,877	1,915,956	1,182,283
Other industries [4]	250	4,074	22,782	30,727	74,616	9,972,166	31,602,824	86,379,755	3,681,214	175,600,427	85,539,458

See footnotes *a* and *b* on first page of this table.

[4] See footnote 4, on preceding page.

HARTFORD COUNTY (SEE HARTFORD INDUSTRIAL AREA)

LITCHFIELD COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Nonferrous-metal alloys and products, not including aluminum products"—without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	126	1,391	11,986	20,146	15,192	$3,136,559	$14,833,623	$26,973,265	$1,392,516	$62,592,287	$34,226,506
NEW HAVEN COUNTY											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	1,042	11,646	77,318	116,786	197,839	29,495,861	101,636,746	217,167,832	12,415,456	475,116,376	245,533,088
Awnings, tents, sails, and canvas covers	10	7	29	-------	14	21,425	22,258	53,041	1,211	142,450	88,198
Beverages	31	32	96	75	262	64,350	123,548	279,639	16,331	834,114	538,144
Boxes, paper, not elsewhere classified	15	77	1,197	-------	1,665	263,353	1,417,858	2,176,100	71,773	5,420,636	3,172,763
Bread and other bakery products	135	99	823	-------	1,568	179,356	1,200,519	3,322,862	183,153	6,990,654	3,481,639
Cigars and cigarettes	19	29	486	-------	18	71,804	614,117	598,573	6,268	1,669,451	1,064,610
Clay products (other than pottery) and nonclay refractories	6	37	256	1,093	664	99,460	356,277	80,528	116,648	817,644	620,468
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	22	35	501	-------	63	79,986	773,651	507,577	14,101	2,136,376	1,614,698
Clothing, women's, not elsewhere classified	25	52	1,225	-------	211	156,179	910,264	836,317	14,967	2,493,866	1,642,582
Concrete products	12	47	306	21	294	170,983	464,332	211,393	10,935	1,090,678	868,350
Confectionery [6]	11	82	397	2	768	236,330	366,284	1,316,261	28,897	2,905,349	1,530,191
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	7	21	127	-------	210	51,596	167,677	457,034	4,851	782,305	320,420
Cotton small wares	5	91	1,342	1,025	1,226	210,551	1,424,830	3,062,228	81,130	5,096,317	1,952,959
Electrical machinery, apparatus, and supplies	22	692	3,894	3,361	7,401	1,717,308	4,460,375	11,912,314	387,129	26,344,120	14,044,677
Electroplating	5	25	97	-------	406	32,886	144,600	24,207	24,227	286,462	238,028
Foundry and machine-shop products, not elsewhere classified	57	787	6,153	2,591	27,731	2,266,352	9,244,314	8,066,289	806,091	30,803,165	21,930,785
Furniture, including store and office fixtures	15	34	183	-------	229	86,982	252,114	520,248	7,332	1,045,310	517,730
Gas and electric fixtures; lamps, lanterns, and reflectors	10	274	974	135	2,454	570,811	1,471,958	1,643,709	85,187	4,161,682	2,432,786
Hardware not elsewhere classified	20	947	4,514	2,782	4,896	1,724,840	5,369,342	3,851,645	272,973	14,722,839	10,598,221
Ice cream	17	46	152	165	1,150	73,273	227,339	860,531	41,170	1,916,696	1,014,995
Macaroni, spaghetti, vermicelli, and noodles	4	11	53	-------	222	26,561	64,902	227,086	14,086	401,730	160,558
Mattresses and bed springs, not elsewhere classified	10	13	52	-------	160	43,065	68,827	229,299	4,102	417,495	184,094
Models and patterns, not including paper patterns	6	8	25	-------	74	8,088	41,158	11,283	1,484	85,626	72,859
Nonferrous-metal alloys and products, not including aluminum products	28	2,118	17,169	54,410	82,732	6,992,879	25,015,583	104,557,237	4,125,319	168,440,777	59,758,221
Photo-engraving, not done in printing establishments	6	28	72	-------	72	81,933	137,770	62,596	6,113	420,537	351,828
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	26	40	202	445	2,135	86,917	313,993	417,828	29,979	1,008,440	560,633
Plated ware	12	584	3,705	3,964	4,289	1,147,347	5,206,734	5,568,769	255,777	20,334,332	14,509,786
Printing and publishing, book and job	77	321	793	-------	1,100	680,059	1,140,027	1,102,529	55,367	4,386,212	3,228,316
Printing and publishing, newspaper and periodical	27	649	545	-------	1,350	1,265,876	961,365	1,220,855	55,352	5,692,604	4,416,397
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	14	14	59	-------	492	34,229	87,297	839,861	17,350	1,107,487	250,276
Ship and boat building, steel and wooden, including repair work	6	2	36	11	28	(7)	46,801	66,329	683	130,334	73,322
Signs and advertising novelties	8	24	43	-------	31	70,570	75,869	104,783	527	335,940	230,630
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	12	181	1,231	541	1,902	469,232	1,413,053	2,114,785	79,225	5,008,927	2,814,917
Surgical and orthopedic appliances, including artificial limbs	5	2	19	-------	10	(7)	17,022	37,088	518	76,962	39,356
Tools, not including edge tools, machine tools, files, or saws	8	51	201	-------	608	141,470	297,673	85,004	17,367	802,366	699,995
Window and door screens and weather strip	3	-------	5	-------	28	----------	3,155	6,239	115	20,595	14,241
Wirework, not elsewhere classified	6	65	342	400	286	231,811	405,179	626,630	23,971	1,819,941	1,169,340
Other industries [8]	340	4,121	29,984	45,765	51,087	10,137,199	37,328,681	60,089,135	5,553,717	151,965,957	89,323,075

[6] The figures for the "Confectionery" industry include data for two establishments located outside the county. These adjustments have been made to avoid disclosing the data for the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[7] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[8] See footnote 6.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEW LONDON COUNTY											
All industries, total	224	1,530	16,578	46,924	25,333	*Dollars* 4,794,565	*Dollars* 19,634,218	*Dollars* 38,096,059	*Dollars* 2,264,153	*Dollars* 86,336,899	*Dollars* 45,976,687
Beverages	6	4	13	-------	37	6,909	16,308	63,403	3,082	129,563	63,078
Boxes, paper, not elsewhere classified	4	17	175	25	412	94,430	195,047	912,592	26,150	1,502,878	564,136
Bread and other bakery products	27	10	131	-------	162	14,479	193,004	484,641	32,104	912,268	395,523
Clothing, women's, not elsewhere classified [10]	5	21	198	-------	295	75,585	227,488	245,199	5,091	639,876	389,586
Confectionery	3	3	16	10	8	5,900	9,025	24,262	1,309	58,433	32,862
Cordage and twine	5	23	76	156	92	46,771	73,500	104,458	6,712	328,346	217,176
Cotton goods	12	110	3,223	17,976	5,073	351,970	3,153,438	5,767,487	297,527	10,624,034	4,559,020
Dyeing and finishing textiles	10	237	1,596	7,674	2,147	770,430	2,010,873	2,547,599	365,928	7,984,755	5,071,228
Lumber and timber products, not elsewhere classified	9	-------	49	291	-------	----------	45,352	30,366	2,185	133,668	101,117
Paper	5	83	741	8,605	2,739	291,528	985,455	2,743,550	508,210	6,587,413	3,335,653
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	3	7	21	-------	191	13,280	30,892	74,932	3,995	132,841	53,914
Printing and publishing, book and job	7	2	26	-------	46	(11)	37,103	32,430	2,892	122,830	87,508
Printing and publishing, newspaper and periodical	6	30	99	1	216	130,997	178,735	104,016	15,270	705,390	586,104
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	3	-------	3	10	11	----------	5,190	38,545	1,255	53,565	13,765
Ship and boat building, steel and wooden, including repair work	9	67	530	1,070	608	267,822	774,012	599,598	73,277	2,032,461	1,359,586
Silk and rayon manufactures	13	232	3,957	2,515	3,500	650,694	4,749,828	10,899,417	262,037	23,571,132	12,409,678
Woolen goods	11	104	1,050	4,166	1,018	340,356	1,196,731	2,285,471	124,056	4,099,936	1,690,409
Other industries [12]	86	580	4,674	4,425	8,778	1,733,414	5,752,237	11,138,093	533,073	26,717,510	15,046,344
WINDHAM COUNTY											
All industries, total	107	714	10,747	46,651	10,179	*Dollars* 1,850,437	*Dollars* 11,256,429	*Dollars* 28,078,566	*Dollars* 995,399	*Dollars* 50,496,777	*Dollars* 21,422,812
Beverages	5	-------	6	-------	26	----------	6,995	26,501	1,715	79,017	50,801
Bread and other bakery products	11	-------	39	7	49	----------	53,930	136,734	7,976	248,599	103,889
Cotton goods	15	341	7,010	38,326	6,954	866,121	7,014,060	15,406,145	603,305	27,011,846	11,002,396
Foundry and machine-shop products, not elsewhere classified	3	25	199	260	280	78,795	262,304	220,452	24,225	847,209	602,532
Lumber and timber products, not elsewhere classified	8	3	56	360	-------	7,300	48,148	39,600	1,400	133,880	92,880
Printing and publishing, book and job	3	7	37	-------	30	21,466	39,681	28,778	2,239	116,307	85,290
Printing and publishing, newspaper and periodical	5	18	39	-------	39	39,212	47,077	17,074	3,253	162,638	142,311
Silk and rayon manufactures	9	97	1,421	1,273	1,343	254,437	1,712,995	4,094,659	92,342	7,351,738	3,164,737
Worsted goods	4	24	338	255	425	73,803	407,274	1,175,695	31,046	2,142,259	935,518
Other industries	42	199	1,602	6,170	1,053	509,303	1,663,965	6,932,928	227,898	12,403,284	5,242,458

See footnotes *a* and *b* on first page of this table.

[10] The figures for the "Clothing, women's, not elsewhere classified" industry include data for 1 establishment located outside the county. These adjustments have been made to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[11] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[12] See footnote 10.

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TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, except Hartford, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
BRIDGEPORT											
All industries, total	339	5,124	30,671	47,527	69,744	$12,178,879	$39,452,165	$77,280,191	$3,746,410	$176,646,927	$95,620,326
Awnings, tents, sails, and canvas covers	4	3	17	-------	9	9,610	29,438	59,292	1,244	133,064	72,558
Beverages	11	17	31	-------	131	39,829	38,423	108,019	6,716	283,406	168,641
Boxes, paper, not elsewhere classified	6	46	429	200	321	148,806	431,015	642,219	11,769	1,583,825	929,837
Bread and other bakery products	35	73	546	-------	593	186,114	812,246	1,641,376	78,421	3,684,321	1,964,524
Clothing, women's, not elsewhere classified	13	80	917	-------	278	187,640	680,065	1,540,723	14,761	2,756,366	1,200,912
Concrete products	3	5	9	-------	31	9,320	8,245	28,453	717	72,775	43,605
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	6	11	35	-------	92	38,298	70,587	95,058	2,052	269,547	172,437
Electrical machinery, apparatus, and supplies	11	953	6,054	18,890	2,609	2,019,827	6,778,746	17,087,196	457,328	31,623,737	14,079,213
Foundry and machine-shop products, not elsewhere classified	17	120	771	750	1,226	341,217	1,191,007	781,144	99,716	2,959,111	2,078,251
Models and patterns, not including paper patterns	7	8	76	-------	126	20,670	133,330	22,522	4,054	253,913	227,337
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	5	49	155	425	691	111,540	246,165	266,818	17,686	754,562	469,758
Printing and publishing, book and job	20	16	83	-------	157	36,315	121,551	129,709	4,598	460,139	325,832
Printing and publishing, newspaper and periodical	6	219	158	-------	234	412,205	283,043	324,896	18,991	2,198,522	1,854,635
Steam fittings and steam and hot-water heating apparatus	4	453	2,207	50	7,948	1,026,605	3,421,066	3,961,379	259,862	12,005,475	7,784,234
Other industries	191	3,031	19,183	27,212	55,298	7,590,883	25,207,238	50,591,387	2,768,165	117,608,104	64,248,552
HARTFORD											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Washing machines, wringers, driers, and ironing machines, for household use"—without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 60 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	364	3,939	24,744	4,323	52,833	$10,348,882	$36,020,538	$41,817,547	$2,126,586	$137,226,292	$93,282,159
NEW HAVEN											
All industries, total	497	4,220	24,974	34,291	41,247	$9,764,153	$31,161,505	$49,227,113	$4,588,772	$130,584,617	$76,768,732
Awnings, tents, sails, and canvas covers	4	5	19	-------	7	17,302	15,912	32,511	1,053	99,266	65,702
Beverages	14	7	31	-------	111	12,874	35,809	100,389	3,962	277,937	173,686
Bread and other bakery products	65	60	486	-------	858	107,838	651,404	1,953,370	106,926	4,040,046	1,979,750
Cigars and cigarettes	12	28	450	-------	15	69,704	567,069	549,085	5,464	1,535,482	980,933
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	22	35	501	-------	63	79,986	773,651	507,577	14,101	2,136,376	1,614,698
Clothing, women's, not elsewhere classified	18	38	1,002	-------	139	129,848	754,109	646,130	10,430	2,020,908	1,364,348
Cutlery (not including silver and plated cutlery) and edge tools	4	24	303	1,292	277	73,909	477,082	276,739	42,058	951,994	633,197
Electrical machinery, apparatus, and supplies	5	77	542	1,411	560	229,908	550,356	1,867,068	59,347	3,398,596	1,472,181
Foundry and machine-shop products, not elsewhere classified	27	160	864	485	2,369	616,387	1,479,282	1,596,592	124,388	4,585,574	2,864,694
Furniture, including store and office fixtures	9	22	97	-------	84	63,537	170,091	433,332	3,017	809,886	373,537
Hardware not elsewhere classified	8	758	3,152	1,250	3,887	1,221,716	3,726,369	2,171,266	160,788	9,738,861	7,406,807
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	12	14	84	15	930	30,148	126,150	207,983	12,505	448,836	229,348
Printing and publishing, book and job	41	220	421	-------	590	454,474	577,228	555,705	32,631	2,537,651	1,949,315
Printing and publishing, newspaper and periodical	14	398	257	-------	729	672,851	487,384	892,706	22,891	3,702,041	2,786,444
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	7	9	41	-------	321	19,929	64,038	532,801	10,769	694,534	150,964
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	7	11	52	-------	72	26,156	82,086	120,075	1,996	299,133	177,062
Surgical appliances	5	2	19	-------	10	(1)	17,022	37,088	518	76,562	39,356
Tools, not including edge tools, machine tools, files, or saws	3	43	149	-------	463	121,646	224,166	67,707	11,979	578,424	498,738
Other industries	220	2,309	16,414	29,838	29,762	5,915,850	20,382,297	36,678,989	3,963,949	92,651,110	52,008,172

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
WATERBURY											
All industries, total	181	3,398	24,369	53,501	67,029	$10,105,243	$32,968,833	$82,052,374	$4,052,211	$157,285,971	$71,181,386
Awnings, tents, sails, and canvas covers	3	-------	4	-------	4	----------	3,922	10,600	131	21,748	11,017
Beverages	8	20	45	-------	89	41,812	62,556	112,864	5,951	361,575	242,760
Bread and other bakery products	32	30	202	-------	560	57,676	335,042	914,293	56,459	2,077,703	1,106,951
Cigars and cigarettes	3	1	21	-------	2	(1)	29,864	33,345	682	83,718	49,691
Clothing, women's, not elsewhere classified	3	7	98	-------	14	15,582	74,667	158,699	2,915	310,151	148,537
Foundry and machine-shop products, not elsewhere classified	10	112	534	146	1,734	335,997	819,410	1,244,799	85,375	3,499,949	2,169,775
Hardware not elsewhere classified	3	99	559	600	483	236,692	666,110	692,190	60,419	1,937,317	1,184,708
Ice cream	4	11	40	-------	336	27,262	55,516	284,511	14,778	597,284	297,995
Nonferrous-metal alloys and products, not including aluminum products	15	1,610	12,798	44,750	52,469	5,698,264	18,167,026	63,409,699	2,818,230	106,010,964	39,783,035
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	4	11	54	175	818	24,256	85,551	84,798	9,176	243,779	149,805
Printing and publishing, book and job	16	16	98	-------	166	43,862	137,171	277,831	4,858	688,010	405,321
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	4	5	14	-------	144	14,300	19,159	219,510	4,707	302,953	78,736
Other industries	76	1,476	9,902	7,830	10,210	3,609,540	12,512,839	14,609,235	988,530	41,150,820	25,553,055

See footnotes *a* and *b* on first page of this table.

[1] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

DELAWARE

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	460	23,552	114,961	59,802	55,159	$29,062,739	$80,490,738	$76,110,568	$4,380,170	$149,642,042	$69,151,304
1927	446	21,324	103,166	67,708	35,458	25,222,182	69,032,720	64,774,245	4,258,475	129,899,735	60,867,015
1925	419	20,704	107,391	68,703	38,688	25,072,302	70,622,434	[4]	[4]	125,406,332	54,783,898
1923	453	23,116	112,485	71,164	41,321	27,368,652	70,735,802	[4]	[4]	128,951,304	58,215,502
1921	460	17,754	[5]	[5]	[5]	19,596,184	50,118,027	[4]	[4]	86,756,312	36,638,285
1919	668	29,035	85,105	65,798	19,307	37,265,319	85,432,933	81,453,158	3,979,775	165,073,009	79,640,076
1914	808	22,155	64,324	54,619	9,705	11,382,160	31,649,265	30,246,291	1,402,974	56,034,966	24,385,701
1909	726	21,238	52,729	48,227	4,502	10,295,596	30,937,801	29,799,022	1,138,779	52,839,619	21,901,818
1904	631	18,475	49,326	48,234	1,092	8,158,203	24,883,806	24,012,936	870,870	41,160,276	16,276,470
1899	633	20,562	39,217	38,612	605	8,457,003	24,725,317	[6]	[6]	41,321,061	16,595,744
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	3.1	10.4	11.4	—11.7	55.6	15.2	16.6	17.5	2.9	15.2	13.6
1925–1927	6.4	3.0	—3.9	—1.4	—8.3	0.6	—2.3			3.6	11.1
1923–1925	—7.5	—10.4	—4.5	—3.5	—6.4	—8.4	—0.2			—2.7	—5.9
1921–1923	—1.5	30.2				39.7	41.1			48.6	58.9
1919–1921	—31.1	—38.9				—47.4	—41.3			—47.4	—54.0
1919–1929	—31.1	—18.9	35.1	—9.1	185.7	—22.0	—5.8	—6.6	10.1	—9.3	—13.2
1909–1919	—8.0	36.7	61.4	36.4	328.9	262.0	176.1	173.3	249.5	212.4	263.6
1899–1909	14.7	3.3	34.5	24.9	644.1	21.7	25.1			27.9	32.0

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND FOR WILMINGTON: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	238,380	460	23,552	114,961	$29,062,739	$80,490,738	$76,110,568	$4,380,170	$149,642,042	$69,151,304
Wilmington [3]	106,597	193	14,910	61,534	19,828,881	47,809,270	45,566,908	2,242,362	90,521,387	42,712,117
Counties										
Kent	31,841	74	1,222	4,269	929,492	4,275,644	4,169,669	105,975	7,451,584	3,175,940
New Castle [4]	161,032	264	19,711	103,733	26,336,261	71,223,224	67,073,080	4,150,144	132,165,319	60,942,095
Sussex	45,507	122	2,619	6,959	1,796,986	4,991,870	4,867,819	124,051	10,025,139	5,033,269

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Wilmington is the only city in Delaware having more than 10,000 inhabitants. For statistics by industries for this city, see Table 14.
[4] For statistics by industries for this county, see Table 13.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	26,828	21,480	5,348	272	262	10	[2] 270	[2] 251	[2] 19	[2] 2,734	[2] 2,138	[2] 596	23,552	[3] 18,829	[3] 4,723
1919 [1, 4]	32,972	27,820	5,152	593	577	16	325	312	13	3,019	2,187	832	29,035	24,744	4,291
1914 [4]	25,533	20,813	4,720	735	711	24	311	300	11	2,332	1,881	451	22,155	17,921	4,234
1909	23,984	19,972	4,012	722	701	21	240	235	5	1,784	1,531	253	21,238	17,505	3,733

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 95; male, 93; female, 2. Other salaried officers and employees—total, 2,598; male, 1,528; female, 1,070. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Vol. II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	23,552	*21,806*	21,877	22,166	22,368	23,073	23,475	23,757	26,041	**27,819**	25,704	22,487	22,051	78.4
1919 [1]	29,035	28,236	26,898	*25,399*	25,728	27,117	28,806	28,124	32,821	**33,438**	32,185	29,715	29,953	76.0
1914 [1]	22,155	21,485	21,304	21,861	21,776	21,908	22,834	21,418	24,134	**28,364**	23,667	18,922	*18,187*	64.1
1909 [1]	21,238	19,220	19,470	*19,168*	19,366	19,237	20,480	19,572	24,331	**26,376**	23,623	21,557	22,452	72.7

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	460	23,552	45 and over but under 48	16	884
			48	62	3,933
Not reported	76	255	Over 48 but under 54	92	6,724
Under 40	3	14	54	29	3,129
40	[1] 7	[1] 34	Over 54 but under 60	54	5,346
Over 40 but under 44			60 and over	80	2,694
44 and over but under 45	41	539			

[1] Combined to avoid disclosing data for individual establishments.

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	460	668	726	23,552	29,035	21,238	51 to 100	30	32	23	2,257	2,404	1,655
							101 to 250	33	29	32	5,655	4,416	4,981
No wage earners	7	67	46				251 to 500	12	8	6	4,242	2,524	1,836
1 to 5	199	338	334	591	776	898	501 to 1,000	6	5	4	4,122	3,410	2,806
6 to 20	122	126	200	1,312	1,458	2,324	1,001 to 2,500	3	5	3	3,799	12,165	4,187
21 to 50	48	58	78	1,574	1,882	2,561							

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	460	668	726	23,552	29,035	21,238	$149,642,042	$165,073,009	$52,839,619	$69,151,304	$79,640,076	$21,901,818
Less than $5,000	[2]	123	213	[2]	125	479	[2]	333,100	559,530	[2]	185,821	335,302
$5,000 to $19,999	159	228	258	322	736	1,901	1,899,418	2,472,718	2,748,180	1,020,834	1,158,642	1,346,466
$20,000 to $99,999	165	183	170	1,929	1,902	3,298	7,678,444	8,999,775	6,981,337	3,849,018	3,175,441	2,674,038
$20,000 to $49,999	100	[3]	[3]	850	[3]	[3]	3,261,874	[3]	[3]	1,687,391	[3]	[3]
$50,000 to $99,999	65	[3]	[3]	1,079	[3]	[3]	4,416,570	[3]	[3]	2,161,627	[3]	[3]
$100,000 to $499,999	72	78	78	3,310	3,475	8,566	15,942,886	17,672,745	25,657,769	7,826,788	8,004,438	10,076,057
$100,000 to $249,999	45	[3]		1,306	[3]		6,459,127	[3]		3,171,426	[3]	
$250,000 to $499,999	27	[3]		2,004	[3]		9,483,759	[3]		4,655,362	[3]	
$500,000 to $999,999	27	26		2,980	2,984		19,487,313	19,385,327		9,247,925	8,469,910	
$1,000,000 and over	37	30	7	14,811	19,813	6,994	104,633,981	117,109,344	16,892,803	47,206,739	58,645,824	7,469,955
$1,000,000 to $2,499,999	23	[3]	[3]	5,739	[3]	[3]	38,626,378	[3]	[3]	20,312,927	[3]	[3]
$2,500,000 to $4,999,999	9	[3]	[3]	5,774	[3]	[3]	30,774,548	[3]	[3]	14,703,862	[3]	[3]
$5,000,000 and over	5	[3]	[3]	3,298	[3]	[3]	35,233,055	[3]	[3]	12,189,950	[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	460	668	23,552	29,035	$149,642,042	$165,073,009	$69,151,304	$79,640,076
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	216	228	21,371	26,810	139,550,147	150,957,146	64,256,214	74,823,774
Other forms of ownership or control (individual, partnership, etc.)	244	440	2,181	2,225	10,091,895	14,115,863	4,895,090	4,816,302
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	103	[1]	13,409	[1]	82,324,225	[1]	41,147,771	[1]
Independent (single-unit)	357	[1]	10,143	[1]	67,317,817	[1]	28,003,533	[1]

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR NEW CASTLE COUNTY, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	114,961	59,802	259	28,181	44	25,819	49	3,195	43	2,607	4,831	55,159	2,413	46,434
1927	103,166	67,708	339	34,774	41	28,741	71	2,216	43	1,977	4,616	35,458	2,448	43,735
1925	107,391	68,703	406	38,821	31	26,254	45	1,245	45	2,383	2,857	38,688	2,701	40,553
1919 [1]	85,105	65,798	585	46,648	24	13,095	91	1,607	108	4,448	1,617	19,307	1,663	25,221
1914 [1]	64,324	54,619	[2] 666	[2] 48,207	[3]	[3]	117	1,905	107	4,507	860	9,705	1,513	19,839
New Castle County [4]	103,733	52,475	119	23,245	40	25,756	14	1,440	20	2,034	4,268	51,258	2,362	46,020

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] This is the only county in Delaware in which the aggregate horsepower equaled or exceeded 25,000.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	114,961	59,802	55,159	46,434	New Castle	103,733	52,475	51,258	46,020
Kent	4,269	3,287	982	182	Sussex	6,959	4,040	2,919	232

[1] Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	464,683	$2,154,969	452,157	473,285	550,121	360,846	348,960
Anthracite (tons, 2,240 pounds)	23,606	193,056	[3]	39,186	38,185	26,731	18,267
Bituminous (tons, 2,000 pounds)	438,244	1,961,913	[3]	429,397	507,354	330,907	328,501
Coke (tons, 2,000 pounds)	15,087	119,862	[4]	[4]	15,712	14,292	11,608
Fuel oils, including crude oils and gas oils (gallons) [5]	32,252,521	980,768	[4]	[4]	8,149,974	2,727,942	1,648,122
Gasoline and kerosene (gallons) [5]	63,261	10,405	[4]	[4]	100,758		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	65,297	61,095	[4]	[4]	80,062	30,745	7,352
Other fuels		8,897	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	66,864,785	1,059,262	[6]	[4]	[4]	[4]	[4]
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 4,395,198	$4,258,475	[8]	$3,979,775	$1,402,974	$1,138,779

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	460	[3] 3,004	23,552	59,802	55,159	[3] $8,344,542	$29,062,739	$76,110,568	$4,380,170	$149,642,042	$69,151,304
Baskets and rattan and willow ware, not including furniture	7	23	505	545	20	57,065	274,462	295,069	2,773	843,364	545,522
Beverages	12	6	22	----	91	14,466	29,524	73,609	3,112	195,661	118,940
Bread and other bakery products	36	30	378	----	601	78,975	483,411	1,127,838	63,003	2,432,335	1,241,494
Brushes, other than rubber	3	2	47	11	----	(4)	23,496	26,509	610	60,765	33,646
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	53	105	1,414	2,131	1,388	175,428	866,503	4,033,419	96,372	6,953,647	2,823,856
Cars, electric and steam railroad, not built in railroad repair shops	3	229	1,294	450	6,778	460,150	2,047,986	2,579,256	114,392	5,491,966	2,798,318
Clay products (other than pottery) and nonclay refractories	6	11	91	462	137	49,251	109,272	14,113	44,669	226,841	168,059
Concrete products	15	8	65	93	114	16,193	71,919	92,062	3,912	262,101	166,127
Confectionery	4	3	23	----	63	2,839	21,614	97,061	7,515	147,544	42,968
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	8	27	----	18	14,749	34,629	53,434	1,705	133,288	78,149
Feeds, prepared, for animals and fowls	4	3	9	100	7	2,600	7,530	144,500	150	168,800	24,150
Fertilizers	6	23	42	35	155	67,388	31,383	433,513	2,879	678,856	242,494
Flour and other grain-mill products	28	11	66	1,343	417	14,779	62,090	724,598	9,889	960,297	225,810
Foundry and machine-shop products, not elsewhere classified	20	297	1,864	2,506	6,228	774,107	2,606,105	4,789,659	244,308	9,982,592	4,948,625
Ice cream	9	23	74	65	640	68,099	104,581	379,952	15,991	879,075	483,132
Ice, manufactured	16	14	85	1,584	1,241	30,637	101,849	44,143	76,337	827,539	707,059
Leather: Tanned, curried, and finished	11	140	2,686	4,110	757	485,131	3,169,646	14,765,550	144,904	20,613,037	5,702,583
Lumber and timber products, not elsewhere classified	19	2	126	761	----	(4)	86,402	80,463	----	255,279	174,816
Marble, granite, slate, and other stone products	4	5	20	----	101	8,587	26,291	24,689	1,175	88,150	62,286
Mattresses and bed springs, not elsewhere classified	4	2	18	----	56	(4)	24,206	89,521	2,052	151,839	60,266
Motor-vehicle bodies and motor-vehicle parts	3	1	13	----	107	(4)	20,849	19,655	1,124	55,392	34,613
Nonferrous-metal alloys and products not including aluminum products	3	9	29	----	25	20,376	35,244	105,865	8,617	211,616	97,134
Oils, not elsewhere classified	3	7	35	270	91	28,380	20,934	169,362	3,782	271,330	98,186
Paper	7	45	585	[5] 6,368	[5] 10,101	187,329	808,863	2,999,588	474,374	4,817,327	1,343,365
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	10	10	53	170	555	29,210	68,610	158,764	5,952	318,967	154,251
Printing and publishing, book and job	15	31	186	----	165	106,872	243,068	197,374	14,071	703,489	492,044
Printing and publishing, newspaper and periodical	19	266	249	----	649	379,656	447,687	374,933	31,319	1,794,333	1,388,081
Pulp goods	9	76	1,306	2,275	2,103	275,138	1,459,415	4,521,916	122,852	8,879,793	4,235,025
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	4	2	9	10	36	(4)	9,056	115,304	1,025	196,880	80,551
Ship and boat building, steel and wooden, including repair work	9	158	1,239	145	5,042	416,403	1,543,908	2,935,896	88,475	6,903,910	3,884,539
Shirts	7	19	432	----	49	24,392	208,417	254,724	5,739	597,324	336,861
Signs and advertising novelties	3	7	21	----	8	13,689	35,253	17,168	390	78,271	60,773
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	3	2	14	----	36	(4)	19,145	17,466	770	48,833	30,597
Other industries	102	1,426	10,525	36,368	17,380	4,542,653	13,959,321	34,353,655	2,785,932	73,406,571	36,266,984

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 2,693 employees of central administrative offices, with salaries aggregating $7,932,615. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[5] Includes item for the "Pulp (wood and other fiber)" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing, exactly or approximately, the figures reported by an individual establishment.

TABLE 13.—GENERAL STATISTICS, BY INDUSTRIES, FOR NEW CASTLE COUNTY: 1929

[This is the only county in Delaware in which 4,000 wage earners or more were employed in manufacturing and printing and publishing industries. Statistics are given separately for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and in combination for the remaining industries ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. The totals for all industries do not include data for establishments located outside New Castle County (see footnote 4), and therefore are slightly smaller than the sums of the items for the individual industries]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	264	2,662	19,711	52,475	51,258	$7,507,437	$26,336,261	$67,073,080	$4,150,144	$132,165,319	$60,942,095
Beverages	7	6	14	----------	46	14,466	18,619	46,698	2,481	128,450	79,271
Bread and other bakery products	30	27	341	----------	532	71,422	448,851	1,007,982	57,403	2,206,515	1,141,130
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	6	5	38	233	54	7,000	21,304	105,778	2,017	176,916	69,121
Cars, electric and steam railroad, not built in railroad repair shops	3	229	1,294	450	6,778	460,150	2,047,986	2,579,256	114,392	5,491,966	2,798,318
Concrete products	7	8	45	----------	109	16,193	50,849	68,564	3,794	191,861	119,503
Confectionery	4	3	23	----------	63	2,839	21,614	97,061	7,515	147,544	42,968
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	8	27	----------	18	14,749	34,629	53,434	1,705	133,288	78,149
Flour and other grain-mill products	5	2	16	363	----------	(1)	15,673	171,568	1,780	227,650	54,302
Foundry and machine-shop products, not elsewhere classified	17	292	1,832	2,477	6,222	764,607	2,567,740	4,720,563	242,470	9,846,894	4,883,861
Ice cream [2]	9	23	74	65	640	68,099	104,581	379,952	15,991	879,075	483,132
Leather: Tanned, curried, and finished	11	140	2,686	4,110	757	485,131	3,169,646	14,765,550	144,904	20,613,037	5,702,583
Mattresses and bed springs, not elsewhere classified	4	2	18	----------	56	(1)	24,206	89,521	2,052	151,839	60,266
Nonferrous-metal alloys and products, not including aluminum products	3	9	29	----------	25	20,376	35,244	105,865	8,617	211,616	97,134
Paper	7	45	585	[3] 6,368	[3] 10,101	187,329	808,863	2,999,588	474,374	4,817,327	1,343,365
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	4	5	25	----------	264	17,600	32,764	56,941	4,146	132,369	71,282
Printing and publishing, hook and job	15	31	186	----------	165	106,872	243,068	197,374	14,071	703,489	492,044
Printing and publishing, newspaper and periodical	9	256	305	----------	554	355,309	375,690	337,863	25,812	1,583,233	1,219,558
Pulp goods [3]	9	76	1,306	2,275	2,103	275,138	1,459,415	4,521,916	122,852	8,879,793	4,235,025
Ship and boat building, steel and wooden, including repair work	6	153	1,202	130	4,850	408,239	1,498,886	2,866,294	86,101	6,745,882	3,793,487
Signs and advertising novelties	3	7	21	----------	8	13,689	35,253	17,108	390	78,271	60,773
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	3	2	14	----------	36	(1)	19,145	17,466	770	48,833	30,597
Other industries	102	1,335	9,758	36,139	17,882	4,223,729	13,329,511	31,933,661	2,817,789	68,890,228	34,138,778

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[2] The figures for the following establishments located outside the county have been included in the items for the county to avoid disclosing the data reported by those establishments: Ice cream, 2, pulp goods, 1.

[3] Includes item for the "Pulp (wood and other fiber)" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing, exactly or approximately, the figures reported by an individual establishment.

TABLE 14.—GENERAL STATISTICS FOR WILMINGTON, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	193	2,015	14,910	22,076	39,458	$5,147,385	$19,828,881	$45,566,908	$2,242,362	$90,521,387	$42,712,117
Beverages	7	6	14	----	46	14,466	18,619	46,698	2,481	128,450	79,271
Bread and other bakery products	27	27	325	----	498	71,422	432,869	974,098	55,425	2,123,508	1,093,985
Cars, electric and steam railroad, not built in railroad repair shops	3	229	1,294	450	6,778	460,150	2,047,986	2,579,256	114,392	5,491,966	2,798,318
Confectionery	4	3	23	----	63	2,839	21,614	97,061	7,515	147,544	42,968
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	8	27	----	18	14,749	34,629	53,434	1,705	133,288	78,149
Foundry and machine-shop products, not elsewhere classified [1]	17	292	1,832	2,477	6,222	764,607	2,567,740	4,720,563	242,470	9,846,894	4,883,861
Leather: Tanned, curried, and finished [1]	11	140	2,686	4,110	757	485,131	3,169,646	14,765,550	144,904	20,613,037	5,702,583
Mattresses and bed springs, not elsewhere classified [1]	4	2	18	----	56	[2]	24,206	89,521	2,052	151,839	60,266
Nonferrous-metal alloys and products, not including aluminum products	3	9	29	----	25	20,376	35,244	105,865	8,617	211,616	97,134
Printing and publishing, book and job	15	31	186	----	165	106,872	243,068	197,374	14,071	703,489	492,044
Printing and publishing, newspaper and periodical	6	244	181	----	525	333,254	340,897	323,119	23,651	1,492,435	1,145,665
Signs and advertising novelties	3	7	21	----	8	13,689	35,253	17,108	390	78,271	60,773
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	3	2	14	----	36	[3]	19,145	17,466	770	48,833	30,597
Other industries [3]	87	1,015	8,260	15,039	24,261	2,859,830	10,837,965	21,579,795	1,623,919	49,350,217	26,146,503

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for each of the following-named industries include data for 1 establishment located outside the city, to avoid disclosing the figures reported by an individual establishment: "Foundry and machine-shop products, not elsewhere classified"; "Leather: Tanned, curried, and finished"; "Mattresses and bed springs, not elsewhere classified." These adjustments have been made to avoid disclosing approximations of the data for the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.

[2] See footnote 3.

[3] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

DISTRICT OF COLUMBIA

(Coextensive with the City of Washington)

TABLE 1.—SUMMARY: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	547	9,752	44,916	13,372	31,544	$15,512,711	$36,200,070	$33,095,733	$3,104,337	$88,972,885	$52,772,815
1927	503	9,519	39,471	12,129	27,342	15,668,655	36,008,635	32,639,547	3,459,088	90,389,537	54,260,902
1925	538	9,753	37,508	12,164	25,344	15,320,067	33,503,934	[4]	[4]	83,576,826	50,072,892
1923	600	9,823	31,846	13,217	18,629	14,795,722	32,870,254	[4]	[4]	73,107,854	40,237,600
1921	490	8,640	[5]	[5]	[5]	12,955,438	30,260,534	[4]	[4]	67,639,522	37,378,988
1919	595	10,482	33,069	13,109	19,960	13,189,031	30,940,100	27,462,366	3,477,734	68,826,570	37,886,470
1914	514	8,877	24,745	18,338	6,407	6,068,692	12,239,123	10,782,494	1,456,629	28,978,241	16,739,118
1909	518	7,707	16,493	14,060	2,433	4,989,449	10,246,534	9,176,806	1,070,228	25,289,136	15,042,602
1904	482	6,299	12,584	11,588	996	3,658,370	7,731,971	7,350,406	381,565	18,359,159	10,627,188
1899	491	6,155	9,584	9,484	100	3,022,906	7,475,216	[6]	[6]	16,426,408	8,951,192
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	8.7	2.4	13.8	10.2	15.4	−1.0	0.3	1.4	−10.3	−1.6	−2.8
1925–1927	−6.5	−2.4	5.2	−0.3	7.9	2.3	7.7			8.2	8.4
1923–1925	−10.3	−0.7	17.8	−8.0	36.0	3.5	1.9			14.3	24.4
1921–1923	22.4	13.7				14.2	8.6			8.1	7.6
1919–1921	−17.6	−17.6				−1.8	−2.2			−1.7	−1.3
1919–1929	−8.1	−7.0	35.8	2.0	58.0	17.6	17.0	20.5	−10.7	29.3	39.3
1909–1919	14.9	36.0	100.5	−6.8	720.4	164.3	202.0	199.3	225.0	172.2	151.9
1899–1909	5.5	25.2	72.1	48.2	2,333.0	65.1	37.1			54.0	68.1

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	14,328	11,252	3,076	326	287	39	[2] 418	[2] 382	36	[2] 3,832	[2] 2,305	[2] 1,527	9,752	[3] 8,278	[3] 1,474
1919 [1, 4]	14,101	11,746	2,355	515	482	33	281	267	14	2,823	1,804	1,019	10,482	9,193	1,289
1914 [4]	11,323	9,692	1,631	435	404	31	199	189	10	1,812	1,319	493	8,877	7,780	1,097
1909	9,758	8,598	1,160	475	455	20	170	164	6	1,406	1,100	306	7,707	6,879	828

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 15 (male). Other salaried officers and employees—total, 22; male, 10; female, 12. The corresponding data for 1919 and earlier years are included in the respective items for those years but can not be given separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 3.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	9,752	*9,659*	9,621	9,677	9,858	**9,666**	9,852	9,737	9,713	9,741	9,791	9,765	9,796	97.4
1919 [1]	10,482	10,459	10,387	*10,319*	10,449	10,463	10,559	10,522	10,578	10,332	10,375	10,618	**10,723**	96.2
1914 [1]	8,877	8,696	8,672	*8,658*	8,725	9,003	8,869	8,765	8,885	8,965	8,995	9,064	**9,227**	93.8
1909 [1]	7,707	7,*421*	7,445	7,535	7,619	7,774	7,761	7,785	7,752	7,840	**7,949**	7,861	7,753	93.4

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 4.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	547	9,752	45 and over but under 48	22	310
			48	187	5,431
Not reported	19	59	Over 48 but under 54	16	310
Under 40	45	52	54	14	132
40	24	169	Over 54 but under 60	20	391
Over 40 but under 44	9	174	60 and over	30	391
44 and over but under 45	161	2,333			

TABLE 5.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	547	595	518	9,752	10,482	7,707	51 to 100	17	20	25	1,163	1,353	1,750
							101 to 250	16	12	6	2,366	1,828	785
No wage earners	95	134	75				251 to 500	[1] 5	4	2	[1] 2,298	1,345	762
1 to 5	222	231	223	650	589	572	501 to 1,000		1	1		751	558
6 to 20	131	144	128	1,434	1,583	1,365	1,001 to 2,500		1			1,348	
21 to 50	61	48	38	1,841	1,685	1,915							

[1] Combined to avoid disclosing the data for an individual establishment.

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	547	595	518	9,752	10,482	7,707	$88,972,885	$68,826,570	$25,289,136	$52,772,815	$37,886,470	$15,042,602
Less than $5,000	[2]	125	147	[2]	42	182	[2]	299,940	383,463	[2]	189,031	264,245
$5,000 to $19,999	198	181	187	379	498	956	2,344,289	2,021,696	2,020,003	1,574,187	1,278,741	1,294,810
$20,000 to $99,999	207	192	135	1,420	1,743	2,480	9,676,009	9,272,206	5,819,241	6,751,762	5,411,283	3,418,883
$20,000 to $49,999	128	[3]	[3]	670	[3]	[3]	4,095,942	[3]	[3]	2,717,227	[3]	[3]
$50,000 to $99,999	79	[3]	[3]	750	[3]	[3]	5,580,067	[3]	[3]	4,034,535	[3]	[3]
$100,000 to $499,999	109	71		2,779	3,065		22,169,190	15,091,792		14,191,216	8,187,489	
$100,000 to $249,999	80	[3]		1,690	[3]		12,499,523	[3]		7,600,390	[3]	
$250,000 to $499,999	29	[3]	46	1,089	[3]	3,028	9,669,667	[3]	12,053,695	6,590,826	[3]	7,114,346
$500,000 to $999,999	16	10		1,661	800		12,041,263	7,205,082		7,138,291	2,518,328	
$1,000,000 and over	17	16	3	3,513	4,334	1,061	42,742,134	34,935,854	5,012,734	23,117,359	20,301,598	2,950,318
$1,000,000 to $2,499,999	11	[3]	[3]	1,615	[3]	[3]	16,721,697	[3]	[3]	8,715,298	[3]	[3]
$2,500,000 to $4,999,999	3	[3]	[3]	696	[3]	[3]	8,774,856	[3]	[3]	2,686,983	[3]	[3]
$5,000,000 and over	3	[3]	[3]	1,202	[3]	[3]	17,245,581	[3]	[3]	11,715,078	[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	547	595	9,752	10,482	$88,972,885	$68,826,570	$52,772,815	$37,886,470
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	260	178	7,836	8,086	76,707,594	53,176,333	45,672,146	29,414,529
Other forms of ownership or control (individual, partnership, etc.)	287	417	1,916	2,396	12,265,291	15,650,237	7,100,669	8,471,941
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	35	[1]	1,687	[1]	15,723,266	[1]	9,816,672	[1]
Independent (single-unit)	512	[1]	8,065	[1]	73,249,619	[1]	42,956,143	[1]

[1] Not tabulated.

TABLE 8.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY: 1929, 1927, 1925, 1919, AND 1914

CENSUS YEAR	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
1929	44,916	13,372	79	7,476	23	3,807	25	569	4	1,520	4,509	31,544	393	3,381
1927	39,471	12,129	75	6,789	20	3,647	25	918	2	775	3,945	27,342	234	2,624
1925	37,508	12,164	71	7,816	19	2,909	31	544	3	895	3,507	25,344	162	2,387
1919 [1]	33,069	13,109	97	8,868	16	1,472	54	2,103	5	666	2,702	19,960	181	1,983
1914 [1]	24,745	18,338	[2] 214	[2] 15,230	[3]	[3]	67	2,568	4	540	1,331	6,407	328	3,115

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 9.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc.]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	92,222	$526,554	79,094	151,736	223,429	226,622	188,836
Anthracite (tons, 2,240 pounds)	6,692	66,467	[3]	57,728	87,731	59,552	11,163
Bituminous (tons, 2,000 pounds)	84,727	460,087	[3]	87,081	125,170	159,924	176,333
Coke (tons, 2,000 pounds)	74,912	476,124	[4]	[4]	15,579	1,831	20,587
Fuel oils, including crude and gas oils (gallons) [5]	25,868,018	1,272,141	[4]	[4]	16,767,912	10,907,106	8,221,248
Gasoline and kerosene (gallons) [5]	95,018	14,238	[4]	[4]	48,174		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	209,450	146,365	[4]	[4]	964,794	48,652	22,275
Other fuels		3,573	[4]	[4]	[6]	[6]	[4]
Electric energy purchased (kilowatt-hours)	40,514,290	665,539	[6]	[4]	[4]	[4]	[4]
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 3,104,534	$3,459,088	[6]	$3,477,734	$1,456,629	$1,070,228

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1 and 10 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 10.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents statistics for all industries for which separate figures can be given without disclosing, exactly or approximately, the data reported by individual establishments. Certain of the "Other industries," however, reported larger numbers of wage earners and larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSE POWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	547	[3] 4,250	9,752	13,372	31,544	[3] $9,936,418	$15,512,711	$33,095,733	$3,104,337	$88,972,885	$52,772,815
Awnings, tents, sails, and canvas covers	11	25	70	----------	28	50,246	71,822	150,143	3,002	361,895	208,750
Beverages	21	48	158	545	382	170,343	207,870	569,659	29,069	1,556,910	958,182
Bookbinding and blank-book making	4	5	64	----------	85	8,888	83,979	25,484	1,663	169,556	142,409
Bread and other bakery products	100	139	1,346	392	2,139	399,865	2,386,583	4,479,177	239,986	10,645,058	5,925,895
Clay products (other than pottery) and nonclay refractories	3	5	83	332	350	15,311	121,126	20,603	70,325	194,908	103,980
Coffee and spice, roasting and grinding	6	19	61	----------	222	98,494	59,035	2,252,728	16,572	2,885,723	616,423
Concrete products	6	29	119	13	524	69,832	110,283	435,140	8,791	779,849	335,918
Confectionery	10	23	138	----------	53	62,867	116,336	327,402	9,843	654,008	316,763
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	7	16	81	35	19	34,702	125,192	147,077	768	357,772	209,927
Druggists' preparations	5	17	17	----------	24	40,900	16,464	147,501	1,589	274,483	125,393
Electrotyping	3	3	14	----------	54	7,991	24,092	9,575	2,100	49,112	37,437
Engraving, steel and copperplate, and plate printing	9	35	90	----------	41	87,735	116,132	156,784	4,295	528,149	367,070
Foundry and machine-shop products, not elsewhere classified	7	23	76	216	62	53,032	124,788	122,732	5,276	475,070	347,062
Fur goods	9	23	85	----------	28	86,249	157,471	514,794	4,811	976,055	456,450
Hand stamps and stencils and brands	4	17	31	----------	15	35,134	41,617	75,446	1,568	213,333	136,319
Ice cream	19	78	316	1,000	4,063	226,075	566,457	1,487,504	95,857	3,663,333	2,079,972
Ice, manufactured	9	32	119	675	9,096	82,297	178,376	28,328	208,549	1,769,688	1,532,811
Jewelry	3	2	26	----------	3	[4]	39,705	70,921	58	142,268	71,289
Lithographing	8	74	149	----------	177	188,176	226,720	141,259	9,843	750,651	599,549
Marble, granite, slate, and other stone products	7	27	129	----------	1,208	68,956	193,056	249,040	14,662	702,134	438,432
Mattresses and bed springs, not elsewhere classified	5	7	81	----------	176	15,546	83,981	203,147	5,291	415,892	207,454
Meat packing, wholesale	8	85	389	375	993	179,814	569,992	6,422,662	56,438	7,585,831	1,106,731
Photo-engraving, not done in printing establishments	7	35	90	----------	43	101,132	234,645	55,942	7,150	545,759	482,667
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	8	32	201	275	424	78,187	367,948	480,789	13,028	1,223,102	729,285
Printing and publishing, book and job	80	233	1,221	----------	1,674	783,236	1,915,417	1,584,411	73,059	6,368,306	4,710,836
Printing and publishing, newspaper and periodical	98	2,645	1,338	----------	2,797	5,399,341	2,747,454	4,974,603	126,822	23,491,505	18,390,080
Signs and advertising novelties	5	2	27	----------	6	[4]	41,448	18,936	328	102,320	83,056
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	11	43	181	53	434	119,944	281,729	509,986	8,606	1,166,416	647,824
Surgical and orthopedic appliances, including artificial limbs	4	12	25	----------	42	30,848	34,348	31,547	1,058	188,012	155,407
Other industries	70	516	3,027	9,461	6,382	1,441,277	4,268,645	7,402,413	2,083,930	20,735,787	11,249,444

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries, as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including 37 employees of central administrative offices, with salaries aggregating $136,347. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld in order to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

FLORIDA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OF PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	2,212	64,868	192,695	104,666	88,029	$54,582,198	$96,898,240	$92,103,202	$4,795,038	$232,386,427	$135,488,187
1927	1,912	61,219	177,580	101,940	75,640	56,671,574	91,715,524	86,355,278	5,360,246	218,790,152	127,074,628
1925	1,863	66,204	144,161	97,815	46,346	65,780,109	113,796,330	(4)	(4)	267,009,159	153,212,829
1923	1,690	65,047	138,269	113,627	24,642	52,356,618	83,187,541	(4)	(4)	188,258,384	105,070,843
1921	1,720	53,289	(5)	(5)	(5)	42,734,452	67,062,543	(4)	(4)	145,820,579	78,758,036
1919	2,582	74,415	139,091	116,436	22,655	67,433,229	92,680,224	88,448,851	4,231,373	213,326,811	120,646,587
1914	2,518	55,608	99,992	93,586	6,406	24,822,323	33,815,688	32,457,161	1,358,527	81,112,291	47,296,603
1909	2,159	57,473	89,729	86,376	3,353	22,981,572	26,128,279	25,404,692	723,587	72,889,659	46,761,380
1904	1,413	42,091	43,413	42,413	1,000	15,767,182	16,532,439	16,210,224	322,215	50,298,290	33,765,851
1899	1,275	35,471	36,356	36,194	162	10,916,443	12,847,187	(6)	(6)	34,183,509	21,336,322
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	15.7	6.0	8.5	2.7	16.4	−3.7	5.7	6.7	−10.6	6.2	6.6
1925–1927	2.6	−7.5	23.2	4.2	63.2	−13.9	−19.4			−18.1	−17.1
1923–1925	10.2	1.8	4.3	−13.9	88.1	25.6	36.8			41.8	45.8
1921–1923	−1.8	22.1				22.5	24.0			29.1	33.4
1919–1921	−33.4	−28.4				−36.6	−27.7			−31.7	−34.7
1919–1929	−14.3	−12.8	38.5	−10.1	288.6	−19.1	4.6	4.1	13.3	8.9	12.3
1909–1919	19.6	29.5	55.0	34.8	575.7	193.4	254.7	248.2	484.8	192.7	158.0
1899–1909	69.3	62.0	146.8	138.6	1,969.8	110.5	103.4			113.2	119.2

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	1,468,211	2,212	64,868	192,695	$54,582,198	$96,898,240	$92,103,202	$4,795,038	$232,386,427	$135,488,187
Counties[3]										
Alachua	34,365	47	1,105	2,310	792,821	2,368,152	2,287,278	80,874	4,068,673	1,700,521
Baker	6,273	6	526	614	264,895	272,178	266,878	5,300	750,544	478,366
Bay	12,091	34	1,266	2,977	607,243	368,124	349,170	18,954	1,288,775	920,651
Bradford	9,405	15	365	191	142,727	107,480	105,151	2,329	376,228	268,748
Brevard	13,283	20	257	842	194,907	206,444	186,048	20,396	640,042	433,598
Broward	20,094	29	150	2,289	193,635	252,841	204,849	47,992	767,548	514,707
Calhoun	7,298	18	527	630	195,955	188,111	187,435	676	613,805	425,694
Charlotte	4,013	7	51	374	36,696	63,430	51,141	12,289	165,405	101,975
Citrus	5,516	12	92	353	44,710	38,096	38,096		126,759	88,663
Clay	6,859	14	287	204	122,176	66,127	62,823	3,304	264,405	198,278
Columbia	14,638	20	470	693	208,181	245,891	232,667	13,224	662,997	417,106
Dade[4]	142,955	210	2,398	13,604	3,318,501	4,979,624	4,456,493	523,131	14,708,222	9,728,598
De Soto	7,745	17	632	2,244	459,813	655,680	628,144	27,536	1,558,684	903,004
Duval	155,503	232	7,065	26,864	7,815,448	32,944,158	32,000,559	943,599	59,521,101	26,576,943
Escambia	53,594	75	2,355	11,314	2,481,901	4,354,368	3,987,213	367,155	10,375,898	6,021,530

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [3]—Continued										
Flagler	2,466	12	413	174	$195,277	$119,354	$118,429	$925	$435,945	$316,591
Franklin	6,283	17	799	970	526,574	324,053	304,074	19,979	1,455,414	1,131,361
Gadsden	29,890	26	1,428	2,889	1,106,200	932,528	918,298	14,230	3,080,639	2,148,111
Gilchrist	4,137	11	143	115	59,799	70,966	70,052	914	179,157	108,191
Gulf	3,182	12	373	667	174,527	169,306	152,959	16,347	443,743	274,437
Hamilton	9,454	21	572	723	219,903	196,210	189,071	7,139	542,213	346,003
Hardee	10,348	7	64	354	47,203	42,982	38,056	4,926	160,662	117,680
Hernando	4,948	11	131	343	75,580	91,696	85,846	5,850	261,491	169,795
Highlands	9,192	19	681	2,003	502,363	456,155	450,029	6,126	1,558,123	1,101,968
Hillsborough [4]	153,519	267	14,286	26,927	15,027,406	23,569,937	22,692,036	877,901	58,395,138	34,825,201
Holmes	12,924	10	333	309	143,375	179,147	176,990	2,157	548,140	368,993
Indian River	6,724	5	19	602	21,129	23,385	19,092	4,293	83,476	60,091
Jackson	31,969	42	635	1,354	270,317	924,066	915,726	8,280	1,517,724	593,718
Jefferson	13,408	18	705	980	333,957	258,846	245,795	13,051	824,713	565,867
Lafayette	4,361	7	169	25	60,680	30,153	29,893	260	120,138	89,985
Lake	23,161	35	619	3,377	568,133	619,738	590,596	29,142	1,789,513	1,169,775
Lee	14,990	15	214	1,579	208,193	270,577	213,968	56,609	786,027	515,450
Leon	23,476	43	965	2,011	589,098	811,780	765,159	46,621	2,049,974	1,238,194
Levy	12,456	28	1,147	2,277	527,343	467,905	430,973	36,932	1,538,685	1,070,780
Liberty	4,067	16	554	612	204,481	135,168	129,863	5,305	524,766	389,598
Madison	15,614	19	442	547	187,453	334,339	317,904	16,435	735,443	401,104
Manatee	22,502	30	844	2,692	580,473	828,336	758,465	69,871	2,437,088	1,608,752
Marion	29,578	52	913	2,773	515,673	788,850	738,458	50,392	2,027,539	1,238,689
Martin	5,111	9	182	1,053	137,679	104,412	101,933	2,479	333,916	229,504
Monroe	13,624	26	756	1,283	648,404	888,140	821,804	66,336	2,267,993	1,379,853
Nassau	9,375	21	661	873	272,873	323,506	302,836	20,670	919,974	596,468
Okaloosa	9,897	9	159	334	72,461	32,548	29,386	3,162	153,851	121,303
Orange	49,737	62	716	5,491	741,979	1,253,608	1,103,922	149,686	3,695,845	2,442,237
Osceola	10,699	19	1,202	2,314	686,476	724,442	718,138	6,304	2,144,695	1,420,253
Palm Beach	51,781	48	450	4,273	662,233	1,034,539	868,359	166,180	3,152,498	2,117,959
Pasco	10,574	16	1,013	2,283	793,979	427,627	420,002	7,625	1,821,823	1,394,196
Pinellas	62,149	92	871	7,751	967,783	1,792,558	1,522,896	269,662	5,207,096	3,414,538
Polk	72,291	96	2,115	9,096	1,848,549	3,154,739	2,965,926	188,813	7,685,423	4,530,684
Putnam	18,096	40	960	3,770	777,702	828,298	793,313	34,985	2,351,356	1,523,058
St. Johns	18,676	26	771	3,730	700,474	557,993	468,122	89,871	2,146,773	1,588,780
St. Lucie	7,057	10	107	1,176	144,223	311,690	273,887	37,803	697,628	385,938
Sarasota	12,440	15	176	1,004	168,110	163,616	139,414	24,202	537,388	373,772
Seminole	18,735	21	611	3,029	602,100	1,332,259	1,226,377	105,882	3,034,534	1,702,275
Sumter	10,644	11	284	1,022	262,640	202,467	181,971	20,496	594,181	391,714
Suwannee	15,731	21	536	887	326,285	242,914	229,159	13,755	884,183	641,269
Taylor	13,136	17	1,516	7,299	1,053,782	1,057,152	1,032,418	24,734	4,420,401	3,363,249
Union	7,428	11	370	360	156,511	259,030	258,240	790	661,374	402,344
Volusia	42,757	60	781	3,868	681,583	845,671	713,318	132,353	2,613,996	1,768,325
Wakulla	5,468	16	268	453	134,596	94,611	94,611	----------	373,278	278,667
Walton	14,576	27	1,274	1,849	670,537	476,293	463,389	12,904	1,663,180	1,186,887
Washington	12,180	21	1,104	1,561	762,344	371,210	364,367	6,843	1,673,427	1,302,217
All other counties [5]	33,768	39	4,030	8,428	2,284,149	1,662,796	1,613,737	49,059	5,966,777	4,303,981
Cities having 10,000 inhabitants or more [6]										
Daytona Beach	16,398	28	179	1,567	239,060	510,096	407,064	103,032	1,358,984	848,888
Gainesville	10,465	21	196	1,191	206,544	499,809	462,025	37,784	1,179,163	679,354
Jacksonville	129,549	209	6,240	23,886	7,161,470	30,510,378	29,642,550	867,828	55,108,183	24,597,805
Key West	12,831	26	756	1,283	648,404	888,140	821,804	66,336	2,267,993	1,379,853
Lakeland	18,554	29	459	1,920	573,600	842,471	758,296	84,175	2,231,519	1,389,048
Miami [7]	110,637	170	1,905	10,721	2,614,244	3,944,315	3,495,440	448,875	12,396,642	8,452,327
Orlando	27,330	46	522	3,834	563,337	1,072,365	950,565	121,400	2,995,271	1,922,906
Pensacola	31,579	50	1,244	7,092	1,692,464	2,353,219	2,075,184	278,035	6,061,039	3,707,820
St. Augustine	12,111	13	357	3,393	499,321	436,270	355,700	80,570	1,520,410	1,084,140
St. Petersburg	40,425	65	502	6,044	692,421	1,173,634	962,613	211,021	3,370,883	2,197,249
Tallahassee	10,700	16	136	615	200,718	270,175	226,910	43,265	737,474	467,299
Tampa [7]	101,161	236	13,144	20,990	13,834,191	20,648,919	19,910,205	738,714	53,107,496	32,458,577
West Palm Beach	26,610	36	378	4,010	602,575	913,967	754,792	159,175	2,845,658	1,931,691

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the counties shown separately.
[4] For statistics by industries for this county, see Table 13.
[5] Collier, Dixie, Glades, Hendry, Okeechobee, and Santa Rosa Counties. (See footnote 3.)
[6] Not including Sanford, which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for this city from separate publication to avoid disclosing approximations of the data for individual establishments located outside the city but within Seminole County.
[7] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Totel	Male	Female	Totel	Male	Femele
1929 [1]	72,777	63,216	9,561	1,432	1,397	35	[2] 1,072	[2] 989	83	[2] 5,405	[2] 4,524	[2] 881	64,868	[3] 56,306	[3] 8,562
1919 [1, 4]	82,986	76,351	6,635	2,616	2,532	84	762	749	13	5,193	4,402	791	74,415	68,668	5,747
1914 [4]	63,204	59,739	3,465	2,682	2,620	62	546	537	9	4,368	4,107	261	55,608	52,475	3,133
1909	64,810	61,500	3,310	2,712	2,652	60	469	462	7	4,156	3,966	190	57,473	54,420	3,053

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central edministrative offices, as follows: Principal salaried officers of corporations—totel, 36 (male). Other saleried officers and employees—total, 166; male, 131; femele, 35. The corresponding data for 1919 end eerlier yeers are included in tbe respective items for those years but were not tabuleted separately. See GENERAL EXPLANATIONS—Persons Engeged.
[3] Computed by the use of ratios between numbers of male end of female wege earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Dete for the "Automobile repairing" industry are included in tbe statistics for 1919 and 1914, the only years for which this industry was canvassed in connection witb the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage eerners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	Februery	March	April	May	June	July	August	Septem-ber	October	Novem-ber	Decem-ber	
1929 [1]	64,868	64,149	64,787	65,278	64,230	63,373	*62,266*	62,325	62,725	64,605	66,887	**66,994**	68,797	90.2
1919 [1]	74,415	74,029	73,007	73,427	71,888	73,014	72,900	75,135	*71,298*	75,326	77,708	**77,108**	**78,140**	91.2
1914 [1]	55,608	55,647	55,851	56,595	57,066	56,968	56,764	**57,775**	55,924	55,071	55,354	*52,087*	52,194	90.2
1909 [1]	57,473	*56,016*	56,414	56,596	56,371	56,858	56,195	56,182	56,276	58,035	59,487	**60,861**	60,587	92.3

[1] The figures for 1919 and 1914 include date for tbe "Automobile repeiring" industry, wbich was not eenvessed in either the 1929 or the 1909 census of n enufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The date for each establishment are classified es a total according to the customery hours of labor in that establishment, even though e few employees may heve worked e larger or a smeller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Numb-er of estab-lish-ments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Numb-er of estab-lish-ments	Wage earners (averege for the year)
All classes	2,212	64,868	45 and over but under 48	55	1,573
			48	396	15,191
Not reported	533	3,591	Over 48 but under 54	157	5,250
Under 40	60	1,079	54	138	4,751
40	72	3,892	Over 54 but under 60	148	7,168
Over 40 but under 44	17	406	60 and over	478	20,182
44 and over but under 45	158	1,785			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repeiring" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for ell establishments, in all industries, with products velued et $500 or more, wherees the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All esteblishments	2,212	2,582	2,159	64,868	74,415	57,473	51 to 100	106	97	121	7,569	6,813	8,074
							101 to 250	77	101	78	11,940	15,810	12,111
No wage earners	25	242	112				251 to 500	32	40	27	11,082	14,038	8,934
1 to 5	1,102	1,041	774	5,261	2,518	1,963	501 to 1,000	9	11	8	6,480	7,307	4,935
6 to 20	521	685	613	5,847	8,181	7,786	1,001 to 2,500	4	4		5,479	8,156	
21 to 50	336	361	426	11,210	11,592	13,670							

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	2,212	2,582	2,159	64,868	74,415	57,473	$232,386,427	$213,326,811	$72,889,659	$135,488,187	$120,646,587	$46,761,380
Less than $5,000	(2)	584	623	(2)	558	1,387	(2)	1,335,817	1,547,102	(2)	833,133	1,062,701
$5,000 to $19,999	949	825	871	5,596	4,152	11,393	11,161,206	9,101,052	9,818,056	7,301,611	5,638,991	7,255,477
$20,000 to $99,999	878	824	527	15,034	16,118	18,613	36,734,924	37,703,293	20,734,942	23,040,961	23,024,990	14,123,529
$20,000 to $49,999	627	(3)	(3)	9,476	(3)	(3)	19,636,138	(3)	(3)	12,527,280	(3)	(3)
$50,000 to $99,999	251	(3)	(3)	5,558	(3)	(3)	17,098,786	(3)	(3)	10,513,681	(3)	(3)
$100,000 to $499,999	295	268	134	17,572	21,585	23,509	65,203,319	63,667,326	36,332,890	38,186,061	34,648,907	21,369,589
$100,000 to $249,999	200	(3)		9,357	(3)		31,757,322	(3)		19,315,848	(3)	
$250,000 to $499,999	95	(3)		8,215	(3)		33,445,997	(3)		18,870,213	(3)	
$500,000 to $999,999	56	48		11,050	11,162		40,860,111	33,351,961		24,238,944	20,462,993	
$1,000,000 and over	34	33	4	15,616	20,840	2,571	78,426,867	68,167,362	4,456,669	42,720,610	36,037,573	2,950,084
$1,000,000 to $2,499,999	26	(3)	(3)	9,122	(3)	(3)	37,398,736	(3)	(3)	22,080,385	(3)	(3)
$2,500,000 to $4,999,999	6	(3)	(3)	3,054	(3)	(3)	16,907,191	(3)	(3)	7,966,163	(3)	(3)
$5,000,000 and over	3	(3)	(3)	3,440	(3)	(3)	24,120,940	(3)	(3)	12,674,062	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	2,212	2,582	64,868	74,415	$232,386,427	$213,326,811	$135,488,187	$120,646,687
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	935	750	45,953	54,694	193,955,470	166,210,162	111,740,504	92,191,912
Other forms of ownership or control (individual, partnership, etc.)	1,277	1,832	18,915	19,721	38,430,957	47,116,649	23,747,683	28,454,675
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	319	(1)	23,529	(1)	100,781,601	(1)	54,972,979	(1)
Independent (single-unit)	1,893	(1)	41,339	(1)	131,604,826	(1)	80,515,208	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	192,695	104,666	930	71,813	55	22,121	264	10,732	----	----	11,085	88,029	1,494	28,077
1927	177,580	101,940	776	68,572	54	18,152	297	14,421	14	795	9,764	75,640	1,495	30,009
1925	144,161	97,815	949	80,036	35	6,101	413	11,667	2	11	6,605	46,346	700	13,153
1919 [1]	139,091	116,436	1,477	105,944	39	6,543	461	4,706	15	243	2,605	22,655	626	12,480
1914 [1]	99,992	93,586	[2] 1,433	[2] 88,939	(3)	(3)	521	4,464	12	183	1,200	6,406	323	6,482
Counties in which aggregate horsepower exceeded 25,000: 1929														
Duval	26,864	9,341	78	6,726	6	1,721	9	894	----	----	2,033	17,523	241	1,494
Hillsborough	26,927	12,416	44	4,374	13	7,847	8	195	----	----	1,874	14,511	188	8,694

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 3 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	192,695	104,666	88,029	28,077	Lake	3,377	2,004	1,373	25
					Lee	1,579	560	1,019	----
Alachua	2,310	1,058	1,252	----	Leon	2,011	1,421	590	14
Baker	614	614	----	----	Levy	2,277	2,250	27	80
Bay	2,977	2,875	102	1,300	Liberty	612	612	----	----
Bradford	191	176	15	[2]					
Brevard	842	285	557	----	Madison	547	366	181	----
					Manatee	2,692	2,200	492	172
Broward	2,289	398	1,891	----	Marion	2,773	1,936	837	----
Calhoun	630	617	13	----	Martin	1,053	1,007	46	14
Charlotte	374	130	244	----	Monroe	1,283	816	467	115
Citrus	353	315	38	----					
Clay	204	190	14	13	Nassau	873	725	148	----
					Okaloosa	334	181	153	----
Columbia	693	457	236	----	Orange	5,491	1,791	3,700	60
Dade	13,604	2,754	10,850	98	Osceola	2,314	2,127	187	2,256
De Soto	2,244	1,448	796	108	Palm Beach	4,275	953	3,322	----
Duval	26,894	9,341	17,523	1,494					
Escambia	11,314	7,679	3,635	1,183	Pasco	2,283	2,045	238	3,163
					Pinellas	7,751	591	7,160	----
Flagler	174	166	8	----	Polk	9,096	5,345	3,751	1,080
Franklin	970	786	184	38	Putnam	3,770	3,154	616	3,302
Gadsden	2,889	2,747	142	817	St. Johns	3,730	269	3,461	----
Gilchrist	115	115	----	----					
Gulf	667	667	----	----	St. Lucie	1,176	30	1,146	----
					Sarasota	1,004	790	214	----
Hamilton	723	417	306	----	Seminole	3,029	1,120	1,909	----
Hardee	554	60	294	----	Sumter	1,022	935	87	87
Hernando	343	237	106	----					
Highlands	2,003	1,913	90	33	Suwannee	887	817	70	----
Hillsborough	26,927	12,416	14,511	8,694	Taylor	7,299	6,966	333	2,029
					Union	360	360	----	----
Holmes	309	[3] 309	[3]	----	Volusia	3,868	1,756	2,112	50
Indian River	302	88	214	----					
Jackson	1,354	1,062	292	----	Wakulla	453	453	----	----
Jefferson	980	913	67	----	Walton	1,849	1,832	17	18
Lafayette	25	25	----	----	Washington	1,561	1,447	114	1,250
					All other counties [4]	8,428	7,549	879	[2] 584

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] The item for Bradford County is included in that for "All other counties" to avoid disclosing data for a single establishment.
[3] The item for electric motors is included in that for prime movers to avoid disclosing data for a single establishment.
[4] Collier, Dixie, Glades, Hendry, Okeechobee, and Santa Rosa Counties.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	228,011	$954,210	141,771	119,491	268,300	162,021	71,995
Anthracite (tons, 2,240 pounds)	2,231	19,812	[3]	2,266	5,110	16,489	6,582
Bituminous (tons, 2,000 pounds)	225,512	934,398	[3]	116,953	262,577	143,553	64,623
Coke (tons, 2,000 pounds)	34,817	282,058	[4]	[4]	36,384	17,522	4,997
Fuel oils, including crude oils and gas oils (gallons) [5]	27,536,313	1,178,351	[4]	[4]	16,537,668	5,937,708	2,071,986
Gasoline and kerosene (gallons) [5]	224,333	41,801	[4]	[4]	1,200,192		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	82,594	77,339	[4]	[4]	20,725	9,560	37,291
Other fuels		220,783	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	98,600,142	2,040,763	[6]	[4]	[4]	[4]	[4]
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 4,795,305	$5,360,246	[5]	$4,231,373	$1,358,527	$723,587

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
All industries, total	2,212	[3] 6,477	64,868	104,666	88,029	[3] $14,068,356	$54,582,198	$92,103,202	$4,795,038	$232,386,427	$135,488,187
Awnings, tents, sails, and canvas covers	19	38	104	-------	88	66,376	105,643	250,629	2,236	548,994	296,129
Baskets and rattan and willow ware, not including furniture	7	18	302	942	-------	26,013	155,339	284,216	-------	620,318	336,102
Beverages	130	137	485	53	1,766	295,202	586,585	1,911,035	75,189	4,579,640	2,593,416
Boxes, cigar, wooden	6	38	686	325	622	124,244	511,906	609,068	15,522	1,782,506	1,157,916
Boxes, wooden, except cigar boxes	12	44	1,036	2,365	407	124,410	636,669	1,102,904	13,528	2,526,975	1,410,543
Bread and other bakery products	187	178	1,724	2	3,443	363,831	1,986,169	4,853,542	262,172	10,656,284	5,540,570
Brooms	6	10	69	125	26	25,500	48,281	88,632	6,096	197,915	103,187
Butter	4	2	10	70	127	[4]	14,220	318,231	7,815	405,756	79,710
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	7	15	188	59	92	22,335	57,425	305,102	14,241	546,975	227,632
Canning and preserving: Fruits and vegetables, pickles, jellies, preserves, and sauces	46	127	1,735	477	638	240,334	962,865	3,231,347	46,046	6,116,663	2,839,270
Car and general construction and repairs, electric-railroad repair shops	5	10	106	-------	304	23,445	124,780	95,882	2,379	246,486	148,225
Car and general construction and repairs, steam-railroad repair shops	22	256	3,157	2,830	10,921	718,107	4,992,961	3,052,182	422,839	9,186,089	5,711,068
Caskets, coffins, burial cases, and other morticians' goods	4	8	42	60	117	21,170	49,947	103,232	1,967	236,132	130,933
Cigars and cigarettes	70	548	12,072	10	435	1,359,794	12,164,810	15,057,832	40,715	41,086,735	25,988,188
Clay products (other than pottery) and nonclay refractories	7	14	123	495	73	25,822	91,645	12,833	63,377	278,849	202,639
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	3	-------	22	-------	4	-------	14,770	6,327	75	29,289	22,887
Clothing, women's, not elsewhere classified	7	13	100	-------	19	21,608	52,483	116,242	1,408	240,288	122,638
Coffee and spice, roasting and grinding	26	29	118	-------	519	102,701	126,758	3,918,166	25,344	5,258,464	1,314,954
Compressed and liquefied gases	4	19	16	22	494	37,790	20,101	18,209	19,696	208,021	170,116
Concrete products	30	41	239	5	981	86,162	310,806	344,793	13,262	945,625	587,570
Confectionery	16	34	113	-------	142	43,492	74,208	191,443	6,320	483,025	285,262
Cooperage	17	36	375	940	33	49,114	221,303	516,350	936	965,345	448,059
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	16	31	132	-------	212	83,929	169,437	727,325	4,007	1,110,330	378,998
Electrical machinery, apparatus, and supplies	6	[4]	35	-------	27	19,940	35,278	73,890	6,483	186,715	106,342
Feeds, prepared, for animals and fowls	5	6	25	240	337	8,400	28,240	143,140	[4] 268	319,050	169,642
Fertilizers	24	233	1,084	1,645	4,784	593,641	979,028	10,571,216	153,224	15,760,243	5,035,803
Flavoring extracts and flavoring sirups	5	8	6	2	22	12,480	6,139	28,104	405	61,060	32,551
Flour and other grain-mill products	4	1	5	76	75	[4]	3,404	29,947	1,088	42,490	11,455
Foundry and machine-shop products, not elsewhere classified	37	83	372	155	1,521	226,925	430,231	887,964	31,235	2,405,519	1,486,320
Furniture, including store and office fixtures	15	21	122	-------	539	50,085	160,480	174,096	4,600	444,831	266,135
Gas, manufactured, illuminating and heating	21	207	476	4,641	2,729	386,998	631,272	500,779	1,000,396	4,909,634	3,408,459
Ice cream	59	120	279	200	2,872	234,090	365,091	1,602,808	113,231	3,298,168	1,582,129
Ice, manufactured	168	352	1,461	15,982	26,236	635,406	1,723,106	615,762	1,347,914	8,745,720	6,782,044
Lumber and timber products, not elsewhere classified	302	785	17,438	56,138	1,872	2,014,450	12,666,872	9,862,003	109,775	36,912,873	26,941,095
Macaroni, spaghetti, vermicelli, and noodles	4	-------	15	-------	72	-------	11,570	41,312	2,616	84,266	40,338
Marble, granite, slate, and other stone products	6	12	60	-------	403	29,601	69,771	95,938	6,481	242,487	140,068
Mattresses and bed springs, not elsewhere classified	16	19	77	-------	405	33,539	88,909	223,349	4,290	456,597	228,958
Meat packing, wholesale	6	31	107	160	638	73,956	107,280	1,962,194	27,201	2,538,888	549,493
Paints and varnishes	8	26	34	-------	198	61,442	44,238	292,506	2,069	547,059	252,484
Patent or proprietary medicines and compounds	19	55	93	-------	289	112,542	82,587	451,446	4,585	1,090,794	634,763
Peanuts, walnuts, and other nuts, processed or shelled	3	11	73	245	157	17,748	31,193	655,853	1,645	763,841	106,343
Photo-engraving, not done in printing establishments	6	10	28	-------	54	35,882	70,364	19,900	2,154	188,873	166,819
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	95	205	878	2,968	8,115	552,480	1,064,965	2,498,337	70,403	5,139,618	2,570,878
Poultry killing, dressing, and packing, wholesale	3	4	59	-------	-------	4,100	13,800	231,151	798	283,893	51,944
Printing and publishing, book and job	116	168	652	28	930	403,428	902,846	1,508,052	36,635	3,794,512	2,249,825
Printing and publishing, newspaper and periodical	158	1,359	1,404	5	6,640	2,683,232	2,553,440	2,610,309	169,006	11,726,493	9,547,178
Sand-lime brick	3	6	14	385	110	8,267	7,405	9,125	3,141	39,937	27,671
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	3	3	13	-------	67	4,500	13,100	143,206	4,110	202,953	55,637
Ship and boat building, steel and wooden, including repair work	30	107	740	1,439	4,208	276,409	933,494	932,181	30,003	2,916,848	1,954,664
Signs and advertising novelties	13	101	203	-------	15	157,106	185,470	156,651	5,309	1,433,077	1,271,117
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	14	25	137	-------	379	89,704	198,295	251,266	6,195	739,953	482,492
Turpentine and rosin	325	521	13,788	653	2	635,448	5,090,444	3,307,932	66,491	11,727,809	8,353,386
Wood distillation and charcoal manufacture	9	76	509	1,564	320	136,522	476,369	680,326	112,953	2,241,928	1,448,649
Wood preserving	4	39	269	458	406	108,368	245,667	3,064,935	60,069	4,294,960	1,169,956
Other industries	74	229	1,504	8,902	2,144	600,288	1,882,679	11,962,002	359,095	20,588,634	8,267,537

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 202 employees of central administrative offices, with salaries aggregating $523,543. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents for each important industrial county in the State, except Duval County, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
DADE COUNTY											
All industries, total	210	841	2,398	2,754	10,850	$1,664,619	$3,318,501	$4,456,493	$523,131	$14,708,222	$9,728,598
Awnings, tents, sails, and canvas covers	7	26	64	-------	43	46,922	66,314	153,030	1,236	347,405	193,139
Beverages	5	9	40	-------	132	39,817	66,660	241,917	8,741	469,545	218,887
Bread and other bakery products	20	53	208	-------	549	80,500	320,265	672,750	49,632	1,766,949	1,044,567
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	9	17	109	78	5	15,390	62,461	320,197	5,356	512,461	186,908
Clothing, women's, not elsewhere classified	4	7	59	-------	9	12,768	34,321	49,066	444	120,679	71,169
Coffee and spice, roasting and grinding	4	2	9	-------	28	(1)	10,847	158,724	2,361	204,142	43,057
Concrete products	8	11	72	-------	229	25,925	77,728	99,473	5,650	261,892	156,769
Foundry and machine-shop products, not elsewhere classified	5	2	24	16	59	(1)	36,900	10,255	1,892	89,286	77,139
Furniture, including store and office fixtures	7	12	69	-------	366	27,060	88,816	79,190	2,986	223,738	141,562
Ice cream	9	22	53	-------	1,063	49,716	80,783	297,246	23,372	687,782	367,164
Ice, manufactured	16	44	223	1,460	3,286	99,042	313,084	73,160	186,008	1,147,365	888,197
Lumber and timber products, not elsewhere classified	3	-------	11	180	-------	----------	8,779	2,933	500	19,326	15,893
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	11	35	140	-------	1,742	92,483	199,606	284,417	14,260	758,585	459,908
Printing and publishing, book and job	21	32	129	-------	159	76,500	189,094	148,500	7,434	561,227	405,293
Printing and publishing, newspaper and periodical	16	354	230	5	908	653,689	507,987	472,035	24,548	2,572,862	2,076,279
Ship and boat building, steel and wooden, including repair work	6	15	102	18	200	43,118	176,594	143,104	2,802	547,849	401,943
Other industries	59	200	856	997	2,072	401,689	1,078,262	1,250,496	185,909	4,417,129	2,980,724
DUVAL COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Car and general construction and repairs, steam-railroad repair shops," as measured by number of wage earners, and "Motor vehicles, not including motorcycles," as measured by value of products—without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	232	1,246	7,065	9,341	17,523	$2,941,817	$7,815,448	$32,000,559	$943,599	$59,521,101	$26,576,943
HILLSBOROUGH COUNTY											
All industries, total	267	1,222	14,286	12,416	14,511	$2,992,490	$15,027,406	$22,692,036	$877,901	$58,395,138	$34,825,201
Beverages	10	17	60	-------	222	42,402	78,125	217,861	8,994	576,825	349,970
Bread and other bakery products	43	20	320	-------	449	39,422	333,998	758,594	36,367	1,684,451	889,490
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	3	13	91	-------	91	25,238	56,327	332,353	5,269	707,073	369,451
Cigars and cigarettes	45	467	10,482	10	296	1,186,522	10,950,066	12,650,310	30,014	35,407,981	22,727,657
Clothing, women's, not elsewhere classified	3	6	41	-------	10	8,840	18,162	67,176	964	119,609	51,469
Coffee and spice, roasting and grinding	12	8	25	-------	160	35,255	30,152	536,666	4,298	737,933	196,969
Concrete products	4	4	15	-------	228	7,047	10,689	23,980	1,074	64,840	39,786
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	4	7	28	-------	19	26,527	30,794	83,818	284	124,009	39,907
Fertilizers	5	73	259	100	426	179,475	281,152	2,535,056	61,304	4,059,420	1,463,060
Ice cream	6	14	44	-------	255	39,249	56,411	319,207	11,180	570,406	240,019
Ice, manufactured	13	47	105	1,325	2,027	75,198	123,120	45,317	126,588	603,092	431,187
Lumber and timber products, not elsewhere classified	5	20	262	1,255	-------	43,366	202,104	307,421	5,854	791,719	478,444
Macaroni, spaghetti, vermicelli, and noodles	4	-------	15	-------	72	----------	11,570	41,312	2,616	84,266	40,338
Mattresses and bed springs, not elsewhere classified	3	5	18	-------	173	8,819	24,267	53,695	1,166	100,376	45,515
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	7	20	83	485	255	60,606	105,305	287,665	2,208	558,154	268,281
Printing and publishing, book and job	20	27	134	3	168	85,682	156,709	551,248	8,133	970,500	411,119
Printing and publishing, newspaper and periodical	12	194	197	-------	594	460,610	360,785	351,186	21,672	1,868,767	1,495,909
Other industries	68	280	2,107	9,238	9,066	668,232	2,197,670	3,529,171	549,916	9,365,717	5,286,630

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, except Jacksonville, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
JACKSONVILLE											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Car and general construction and repairs, steam-railroad repair shops," as measured by number of wage earners, and "Motor vehicles, not including motorcycles," as measured by value of products—without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners] employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]										
All industries, total	209	1,128	6,240	8,534	15,352	$2,666,387	$7,161,470	$29,642,550	$867,828	$55,108,183	$24,597,805
MIAMI											
All industries, total	170	735	1,905	2,051	8,670	$1,461,515	$2,614,244	$3,495,440	$448,875	$12,396,642	$8,452,327
Awnings, tents, sails, and canvas covers	7	26	64	----	43	46,922	66,314	153,030	1,236	347,405	193,139
Beverages [1]	5	9	40	----	132	39,817	66,660	241,917	8,741	469,545	218,887
Bread and other bakery products	17	44	173	----	519	67,311	258,556	552,169	45,306	1,490,818	893,343
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	4	10	63	----	28	6,840	33,561	138,902	3,741	235,529	92,886
Clothing, women's, not elsewhere classified	4	7	59	----	9	12,768	34,321	49,066	444	120,679	71,169
Coffee and spice, roasting and grinding	4	2	9	----	28	(2)	10,847	158,724	2,361	204,142	43,057
Foundry and machine-shop products, not elsewhere classified	5	2	24	16	59	(3)	36,900	10,255	1,892	89,286	77,139
Ice cream [1]	9	22	53	----	1,063	49,716	80,783	297,246	23,372	687,782	367,164
Ice, manufactured	12	39	191	1,220	2,972	86,130	260,825	63,099	164,645	1,009,969	782,225
Printing and publishing, newspaper and periodical	10	331	208	----	886	637,199	480,356	461,033	23,637	2,471,440	1,986,770
Ship and boat building, steel and wooden, including repair work	6	15	102	18	200	43,118	176,594	143,104	2,802	547,849	401,943
Other industries [3]	87	228	919	797	2,731	471,694	1,108,527	1,226,895	170,698	4,722,198	3,324,605
TAMPA											
[The totals for all industries do not include data for a few establishments located outside the city (see footnote 4), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	236	1,096	13,144	11,080	9,910	$2,744,868	$13,834,191	$19,910,205	$738,714	$53,107,496	$32,458,577
Beverages [4]	10	17	60	----	222	42,402	78,125	217,861	8,994	576,825	349,970
Bread and other bakery products	40	20	302	----	440	39,422	313,830	705,369	33,904	1,590,098	850,825
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	3	13	91	----	91	25,238	56,327	332,353	5,269	707,073	369,451
Cigars and cigarettes	45	467	10,482	10	296	1,186,532	10,950,066	12,650,310	30,014	35,407,981	22,727,657
Clothing, women's, not elsewhere classified	3	6	41	----	10	8,840	18,162	67,176	964	119,609	51,469
Coffee and spice, roasting and grinding	12	8	25	----	160	35,255	30,152	536,666	4,298	737,933	196,969
Concrete products	4	4	15	----	228	7,047	10,689	23,980	1,074	64,840	39,786
Copper, tin, and sheet-iron work, including galvanized iron work, not elsewhere classified	4	7	28	----	19	26,527	30,794	83,818	284	124,009	39,907
Ice cream	6	14	44	----	255	39,249	56,411	319,297	11,180	570,406	240,019
Macaroni, spaghetti, vermicelli, and noodles	4	----	15	----	72	----	11,570	41,212	2,616	84,266	40,338
Mattresses and bed springs, not elsewhere classified	3	5	18	----	173	8,819	24,267	53,695	1,166	100,376	45,515
Printing and publishing, book and job	20	27	134	3	168	85,682	156,709	551,248	8,133	970,500	411,119
Printing and publishing, newspaper and periodical [4]	12	194	197	----	594	460,610	360,785	351,186	21,672	1,868,767	1,495,909
Other industries	74	321	1,711	11,067	7,210	789,490	1,757,374	4,002,707	611,048	10,290,338	5,676,583

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The items for each of the two industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.
[2] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
[3] See footnote 1.
[4] The items for each of the 2 industries covered by this footnote include data for 2 establishments located outside the city, to avoid disclosing the figures reported by the establishments in question.

GEORGIA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	4,179	158,774	641,899	253,523	388,376	$110,435,015	$427,805,088	$412,632,695	$15,172,393	$722,453,803	$294,648,715
1927	3,175	154,168	565,899	250,932	314,967	108,118,193	360,261,684	344,375,514	15,886,170	609,917,660	249,655,976
1925	2,876	141,173	523,334	272,028	251,306	99,210,003	399,351,258	(4)	(4)	648,852,294	249,501,036
1923	3,058	137,476	449,888	256,457	193,431	92,143,788	381,769,333	(4)	(4)	604,452,862	222,683,529
1921	2,809	98,264	(5)	(5)	(5)	69,915,971	243,939,164	(4)	(4)	381,296,566	137,357,402
1919	4,803	123,441	433,719	276,151	157,568	101,180,339	440,490,057	428,431,511	12,058,546	693,237,096	252,747,039
1914	4,639	104,461	357,130	280,672	76,458	38,128,407	160,088,609	154,558,903	5,529,706	253,270,511	93,181,902
1909	4,792	104,588	296,818	272,928	23,890	34,804,818	116,969,764	112,667,575	4,302,189	202,863,262	85,893,498
1904	3,219	92,749	219,121	212,657	6,464	27,392,442	83,624,504	80,752,937	2,871,567	151,040,455	67,415,951
1899	3,015	83,336	136,227	134,559	1,668	19,958,153	49,356,296	(6)	(6)	94,532,368	45,176,072
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	31.6	3.0	13.4	1.0	23.3	2.1	18.7	19.8	−4.5	18.5	18.0
1925–1927	10.4	9.2	8.1	−7.8	25.3	9.0	−9.8			−6.0	0.1
1923–1925	−6.0	2.7	16.3	6.1	29.9	7.7	4.6			7.3	12.0
1921–1923	8.9	39.9				31.8	56.5			58.5	62.1
1919–1921	−41.5	−20.4				−30.9	−44.6			−45.0	−45.7
1919–1929	−13.0	28.6	48.0	−8.2	146.5	9.1	−2.9	−3.7	25.8	4.2	16.6
1909–1919	0.2	18.0	46.1	1.2	559.6	190.7	276.6	280.3	180.3	241.7	194.3
1899–1909	58.9	25.5	117.9	2.8	1,332.3	74.4	137.0			114.6	90.1

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State, total	2,908,506	4,179	158,774	641,899	$110,435,015	$427,805,088	$412,632,695	$15,172,393	$722,453,803	$294,648,715
Counties[3]										
Appling	13,314	49	786	531	319,655	274,552	271,707	2,845	879,941	605,389
Atkinson	6,894	23	547	380	212,520	147,304	144,944	2,360	547,459	400,155
Bacon	7,055	14	297	225	133,085	133,848	131,448	2,400	372,008	238,160
Baldwin	22,878	16	305	1,347	165,735	355,844	283,526	72,318	947,962	592,118
Barrow	12,401	20	681	1,221	289,031	1,416,542	1,374,496	42,046	2,150,641	734,099
Bartow	25,364	46	1,295	12,852	896,822	3,133,718	2,958,626	175,092	5,136,833	2,003,115
Ben Hill	13,047	13	633	2,527	504,565	825,010	708,904	116,106	1,560,073	735,063
Berrien	14,646	14	372	195	159,965	126,721	125,176	1,545	431,513	304,792
Bibb	77,042	114	7,468	39,519	6,193,068	23,586,117	22,536,204	1,049,913	37,735,344	14,149,227
Bleckley	9,133	8	161	558	83,761	258,097	249,325	8,772	429,896	171,799
Brantley	6,895	24	779	97	332,429	228,146	223,140	5,006	772,864	544,718
Brooks	21,330	22	587	1,884	297,657	645,417	612,186	33,231	1,325,748	680,331
Bryan	5,952	25	429	88	162,499	127,915	117,879	10,036	419,032	291,117
Bulloch	26,509	33	650	1,136	290,382	284,320	275,086	9,234	879,098	594,778
Burke	29,224	31	426	1,801	288,372	720,507	715,190	5,317	1,436,217	715,710
Calboun	10,576	20	312	911	137,347	690,613	686,640	3,973	996,259	305,646
Camden	6,338	14	573	390	174,390	248,431	241,257	7,174	682,373	433,942
Candler	8,991	9	162	255	59,896	63,626	61,801	1,825	199,266	135,640
Carroll	34,272	40	1,524	5,018	788,970	3,615,184	3,495,468	119,716	5,450,340	1,835,156
Catoosa	9,421	5	30	163	19,575	12,657	12,657		39,649	26,992

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [3]—Continued										
Charlton	4,381	18	648	231	$249,854	$150,578	$147,567	$3,011	$526,683	$376,105
Chatham	105,431	140	5,757	30,321	4,893,999	37,238,776	36,280,068	958,708	51,454,433	14,215,657
Chattahoochee	8,894	5	19	160	8,637	32,488	32,488		60,314	27,826
Chattooga	15,407	12	1,958	8,642	1,163,007	4,810,468	4,579,719	230,749	7,271,744	2,461,276
Cherokee	20,003	46	1,361	5,861	958,947	3,402,651	3,280,151	122,500	6,006,424	2,603,773
Clarke	25,613	45	1,936	8,595	1,164,473	5,466,574	5,245,080	221,494	9,134,879	3,668,305
Clay	6,943	12	125	601	54,093	581,268	578,005	3,263	846,085	264,817
Clayton	10,260	3	22	60	15,524	38,687	38,361	326	75,280	36,593
Clinch	7,015	34	1,474	918	578,483	319,994	315,204	4,790	1,279,403	959,409
Cobb	35,408	35	2,003	5,495	1,369,125	2,760,529	2,603,460	157,069	6,056,397	3,295,868
Coffee	19,739	40	810	906	412,303	426,007	411,986	14,021	1,164,896	738,889
Colquitt	30,622	45	1,143	4,715	666,217	6,136,108	6,035,163	100,945	8,233,153	2,097,045
Columbia	8,793	13	359	1,497	216,523	228,420	190,733	37,687	513,844	285,424
Cook	11,311	14	245	286	102,743	74,230	69,924	4,306	247,176	172,946
Coweta	25,127	32	2,375	10,315	1,513,087	4,809,778	4,584,059	225,719	9,278,441	4,468,663
Crawford	7,020	20	170	752	69,092	78,776	78,776		212,132	133,356
Crisp	17,343	29	644	2,606	347,092	2,273,493	2,236,562	36,931	3,142,848	869,355
Dade	4,146	7	41	195	16,650	19,071	18,771	300	74,260	55,189
Dawson	3,502	7	26	132	14,480	9,300	9,300		38,600	29,300
Decatur	23,622	29	896	2,110	524,170	973,695	937,365	35,330	2,326,109	1,352,014
De Kalb	70,278	22	1,254	5,513	1,246,928	1,697,930	1,601,267	96,663	3,729,978	2,032,048
Dodge	21,599	19	865	1,082	382,780	742,369	697,011	45,358	1,476,552	734,183
Dooly	18,025	12	196	498	98,396	283,807	278,641	5,166	555,814	272,007
Dougherty	22,306	39	1,246	6,840	814,516	4,308,110	4,148,090	160,020	6,770,033	2,461,923
Douglas	9,461	13	305	1,621	174,626	463,004	445,595	19,409	845,959	382,955
Early	18,273	15	248	818	121,183	301,575	296,481	2,094	519,824	218,249
Echols	2,744	9	217	66	92,877	70,843	70,843		220,171	149,328
Effingham	10,164	26	699	789	315,933	181,143	174,262	6,881	695,614	514,471
Elbert	18,485	20	687	2,788	571,300	1,160,621	1,090,449	70,172	2,274,859	1,114,238
Emanuel	24,101	41	601	826	239,776	468,845	460,961	7,884	969,788	500,943
Evans	7,102	16	207	290	97,255	121,576	115,153	6,423	302,646	181,070
Fayette	8,665	7	31	258	16,347	40,835	40,510	325	75,938	35,103
Floyd	48,667	65	5,904	31,949	4,273,754	12,231,597	11,717,434	514,163	20,936,398	8,704,801
Forsyth	10,624	5	14	95	7,700	8,760	8,500	260	36,500	27,740
Franklin	15,902	8	187	958	139,248	725,107	700,048	25,059	1,022,835	297,728
Fulton [4, 5]	318,587	570	24,744	102,283	24,539,683	123,587,873	120,408,690	3,179,183	214,785,945	91,198,072
Gilmer	7,344	29	161	1,260	95,703	499,654	495,370	4,284	889,338	389,684
Glascock	4,388	7	48	215	30,800	35,550	35,550		90,200	54,650
Glynn	19,400	34	1,511	6,480	1,423,493	5,734,571	5,655,470	79,101	9,620,829	3,886,258
Gordon	16,846	33	623	2,739	432,185	1,136,150	1,047,544	88,606	2,048,820	912,670
Grady	19,200	22	331	388	163,320	273,192	265,657	7,535	593,717	320,525
Greene	12,616	14	802	2,140	404,039	1,092,463	1,026,919	65,544	1,938,094	845,631
Gwinnett	27,853	29	1,113	3,511	678,803	4,024,207	3,967,253	56,954	5,370,493	1,346,286
Hall	30,313	30	2,148	13,050	1,490,818	4,663,739	4,349,304	314,435	7,281,738	2,617,999
Hancock	13,070	33	333	1,357	145,244	370,224	357,474	12,750	680,119	309,895
Haralson	13,263	13	461	1,369	271,075	719,895	697,627	22,268	1,175,353	455,458
Harris	11,140	24	156	604	75,425	183,295	182,845	450	391,075	207,780
Heard	9,102	11	83	254	38,983	33,518	33,256	262	125,586	92,068
Henry	15,924	14	397	1,319	218,419	740,130	700,761	39,369	1,209,005	468,875
Houston	11,280	16	326	6,593	255,982	560,564	339,799	220,765	1,363,039	802,475
Irwin	12,199	12	274	821	106,711	296,210	282,945	13,265	547,316	251,106
Jackson	21,609	14	1,205	2,120	559,118	1,711,616	1,636,908	74,708	2,624,869	913,253
Jasper	8,594	16	199	1,020	77,019	256,926	249,275	7,651	433,669	176,743
Jeff Davis	8,118	29	487	434	167,165	149,009	140,642	8,367	503,898	354,889
Jefferson	20,727	57	404	1,886	185,342	432,595	422,028	10,567	955,336	522,741
Jenkins	12,908	21	400	1,415	217,261	464,004	448,439	15,565	937,943	473,939
Johnson	12,681	16	298	293	132,208	159,118	155,568	3,550	414,921	255,803
Lamar	9,745	19	748	2,486	482,070	2,136,181	2,057,859	78,322	3,114,664	978,483
Lanier	5,190	10	349	37	130,933	72,435	70,860	1,575	291,353	218,918
Laurens	32,693	34	765	2,655	345,437	1,112,838	1,079,308	33,530	1,969,516	856,678
Lee	8,328	4	53	295	23,340	83,548	83,548		144,244	60,696
Liberty	8,153	21	303	327	134,986	104,093	98,583	5,510	396,546	292,453
Lincoln	7,847	22	165	820	72,983	212,546	212,431	115	438,987	226,441
Long	4,180	12	133	2	63,948	57,045	54,551	2,494	187,143	130,098
Lowndes	29,994	45	1,351	4,370	665,297	2,238,561	2,139,912	98,649	3,995,467	1,756,906
Lumpkin	4,927	3	18	65	5,828	8,020	8,000	20	19,115	11,095
McDuffie	9,014	25	266	1,483	152,455	413,032	402,508	10,524	757,749	344,717
McIntosh	5,763	11	858	531	404,630	329,099	323,324	5,775	1,214,226	885,127
Macon	16,643	15	246	1,172	118,147	857,676	837,746	19,930	1,208,653	350,977
Madison	14,921	9	40	490	12,002	183,086	178,420	4,666	245,022	61,936
Miller	9,076	9	119	155	50,358	58,183	57,283	900	166,244	108,061
Milton [4]	6,730	3	12	62	5,700	5,700	5,700		14,780	9,280
Mitchell	23,620	17	667	2,809	264,185	1,538,798	1,489,879	48,919	2,126,099	587,301
Monroe	11,606	33	655	3,374	336,220	2,425,992	2,361,274	62,718	3,322,834	896,842
Montgomery	10,020	14	421	438	252,085	138,134	131,613	6,521	476,685	338,551
Morgan	12,488	6	45	444	22,247	134,965	133,887	1,078	193,521	58,556
Murray	9,215	13	91	545	42,216	74,029	70,253	3,776	156,624	82,595
Muscogee [5]	57,558	96	12,185	48,553	8,777,275	29,106,709	27,778,978	1,327,731	53,524,409	24,417,700
Oglethorpe	12,927	18	450	1,637	278,788	593,346	584,518	8,828	1,294,848	701,497
Paulding	12,327	14	293	705	138,765	344,994	327,544	17,360	673,822	278,918
Peach	10,268	19	234	2,359	134,571	382,936	367,004	15,932	812,048	429,112

See footnotes at end of table.

TABLE—2. SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [3]—Continued										
Pierce	12,522	27	626	723	$264,974	$596,008	$588,879	$7,129	$1,296,728	$700,720
Pike	10,853	11	73	303	27,549	210,756	207,763	2,993	350,791	140,035
Polk	25,141	20	2,282	18,676	1,616,879	5,852,623	5,397,038	455,585	9,135,671	3,283,048
Pulaski	9,005	8	111	386	53,101	151,931	142,882	9,049	276,164	124,233
Putnam	8,367	20	353	1,528	228,614	758,721	721,223	37,498	1,338,720	579,999
Quitman	3,820	16	224	834	88,615	187,854	187,854		453,614	265,760
Randolph	17,174	18	192	797	104,441	277,066	276,259	807	513,137	236,071
Richmond	72,990	99	5,693	34,575	4,462,753	17,594,421	16,753,074	841,347	27,791,323	10,196,902
Schley	5,347	5	49	144	21,783	223,586	221,586	2,000	321,033	97,447
Screven	20,503	44	428	1,244	231,140	310,274	305,867	4,407	805,654	495,380
Seminole	7,389	7	223	434	80,404	682,511	679,625	2,886	842,399	159,888
Spalding	23,495	34	3,538	12,760	2,288,200	6,979,990	6,656,086	323,904	12,849,941	5,869,951
Stephens	11,740	12	595	1,188	311,377	1,028,966	999,963	28,103	1,703,239	675,173
Stewart	11,114	13	320	1,048	231,329	498,004	497,550	454	1,068,706	570,702
Sumter	26,800	28	471	3,630	355,573	1,291,575	1,252,967	38,608	2,087,097	795,522
Talbot	8,458	21	290	1,278	157,553	300,931	298,540	2,391	663,851	362,920
Taliaferro	6,172	11	117	258	49,762	71,475	70,150	1,325	197,215	125,740
Tattnall	15,411	34	522	344	171,030	195,563	172,292	23,271	473,711	278,148
Telfair	14,967	30	755	1,230	308,498	359,996	341,749	18,247	1,008,915	648,919
Terrell	18,290	22	239	1,621	115,455	1,219,452	1,192,720	26,732	1,611,599	392,147
Thomas	32,612	41	999	2,841	618,008	1,144,397	1,096,125	48,272	2,494,382	1,349,985
Tift	16,068	23	631	1,317	292,980	1,105,841	1,071,290	34,551	1,805,086	699,245
Toombs	17,165	29	434	927	209,638	471,260	455,189	16,071	957,572	486,612
Treutlen	7,488	7	265	78	85,355	164,028	162,478	1,550	349,283	185,255
Troup	36,752	58	5,760	22,354	3,284,542	16,408,893	15,758,700	650,193	26,132,663	9,723,770
Turner	11,196	12	360	786	153,268	302,430	286,468	15,962	639,223	336,793
Twiggs	8,372	19	123	573	71,041	152,472	152,472		424,918	272,446
Union	6,340	31	65	415	38,414	179,126	179,126		294,800	115,674
Upson	19,509	34	3,855	21,132	2,028,908	7,563,895	7,170,328	393,567	11,691,931	4,128,036
Walker	26,206	32	3,482	9,153	2,715,433	10,441,816	10,109,389	332,427	16,509,898	6,068,082
Walton	21,118	22	939	4,145	554,969	2,515,722	2,403,331	112,391	4,048,240	1,532,518
Ware	26,558	72	2,673	9,833	2,304,966	4,623,834	4,483,479	140,355	7,846,049	3,222,215
Warren	11,181	13	96	363	49,133	307,030	306,035	995	427,731	120,701
Washington	25,030	43	934	2,862	485,427	700,561	692,041	8,520	1,620,234	919,673
Wayne	12,647	35	947	1,212	437,903	418,886	413,354	5,532	1,224,871	805,985
Webster	5,032	5	100	215	55,640	36,140	36,140		109,000	72,860
Wheeler	9,149	5	186	26	80,640	57,756	50,056	7,700	188,441	130,685
Whitfield	20,808	52	2,060	7,555	1,585,630	6,493,172	6,253,171	240,001	10,396,385	3,903,213
Wilcox	13,439	15	389	227	157,449	153,557	126,236	7,321	399,167	265,610
Wilkes	15,944	25	316	1,551	181,042	486,550	477,826	8,724	873,440	386,890
Wilkinson	10,844	14	304	761	167,766	112,243	109,520	2,723	413,925	301,682
Worth	21,094	17	482	591	219,585	429,853	414,045	15,808	855,173	425,320
Other counties [6]	185,713	136	6,592	32,729	4,424,364	15,499,682	14,962,775	536,907	26,517,160	11,017,478
Cities having 10,000 inhabitants or more [7]										
Albany	14,507	28	720	2,804	496,540	2,208,133	2,137,953	70,180	3,639,541	1,431,408
Athens	18,192	37	1,582	6,402	997,043	4,512,968	4,313,813	199,155	7,613,663	3,100,695
Atlanta [5]	270,366	509	18,509	63,105	18,210,591	72,165,329	70,105,395	2,059,934	136,509,761	64,344,432
Augusta	60,342	84	5,218	31,740	4,166,535	16,763,811	16,170,242	593,569	26,309,117	9,545,306
Columbus	43,131	79	9,852	34,198	6,955,161	20,854,973	19,957,989	896,984	39,664,527	18,809,554
Decatur	13,276	8	55	297	76,996	118,301	109,276	9,025	303,363	185,062
Griffin	10,321	26	2,728	9,387	1,772,913	6,041,159	5,789,094	252,065	11,043,066	5,001,907
Lagrange	20,131	32	4,705	15,857	2,670,185	13,364,495	12,884,294	480,201	21,104,084	7,739,589
Macon	53,829	89	6,126	30,573	5,123,690	18,121,305	17,299,381	821,924	29,612,150	11,490,845
Savannah [5]	85,024	102	3,172	12,333	2,949,662	7,117,436	6,694,151	423,285	14,725,236	7,607,800
Thomasville	11,733	25	684	2,090	463,840	865,426	823,766	41,660	1,946,001	1,080,575
Valdosta	13,482	27	587	2,955	358,846	1,763,403	1,686,199	77,204	2,937,884	1,174,481

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("Other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.

[4] Campbell and Milton Counties combined with Fulton County Jan. 1, 1932. Campbell is one of the "Other counties." The figures for Fulton County refer to that county as constituted Dec. 31, 1929.

[5] For statistics by industries for this county, see Table 13.

[6] Baker, Butts, Campbell, Fannin, Habersham, Hart, Jones, Marion, Meriwether, Newton, Oconee, Pickens, Rockdale, Taylor, Towns, and White Counties. (See footnote 3.) No manufacturing reported from Banks and Rabun Counties.

[7] Not including Brunswick, Rome, and Waycross, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments located either in the cities or outside the cities but within the counties in which the cities are situated.

[8] Because of the amount of manufacturing industry in Atlanta and Savannah, it had been planned to publish statistics by industries for them. It is found, however, that no figures can be given for the most important industries in these cities without disclosing, exactly or approximately, the data reported by individual establishments, and in each city those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report. The most important industries in Atlanta were "Cotton goods," as measured by number of wage earners, and "Motor vehicles, not including motorcycles," as measured by value of products; those in Savannah were "Car and general construction and repairs, steam-railroad repair shops," as measured by number of wage earners, and "Bags, other than paper," as measured by value of products.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	175,081	135,335	39,746	3,347	3,303	44	[2] 1,993	[2] 1,913	[2] 80	[2] 10,967	[2] 8,751	[2] 2,216	158,774	[2] 121,368	[2] 37,406
1919 [1,4]	141,012	114,801	26,211	4,776	4,654	122	1,943	1,901	42	10,832	8,964	1,868	123,441	99,282	24,159
1914 [4]	118,365	101,199	17,366	4,443	4,327	116	1,804	1,781	23	8,137	7,339	798	104,461	88,032	16,429
1909	118,036	100,245	17,791	5,141	5,026	115	1,385	1,372	13	6,922	6,210	712	104,588	87,637	16,951

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 230; male, 228; female, 2. Other salaried officers and employees—total, 2,285; male, 1,637; female, 648. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	158,774	157,822	159,728	**162,585**	161,519	156,882	157,622	157,138	158,753	159,692	160,022	158,132	*153,593*	95.6
1919 [1]	123,441	125,289	121,762	123,458	121,269	*116,548*	116,940	120,406	120,221	125,305	127,806	129,266	**133,022**	87.6
1914 [1]	104,461	109,508	113,257	115,286	109,489	103,590	101,939	101,703	100,598	100,934	100,428	98,749	*97,751*	84.8
1909 [1]	104,588	103,477	107,544	108,271	102,881	*98,622*	99,445	99,518	102,577	106,033	107,837	109,012	**109,839**	89.8

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	4,179	158,774	45 and over but under 48	100	4,286
			48	393	14,539
Not reported	1,216	7,532	Over 48 but under 54	383	19,138
Under 40	120	2,204	54	136	3,585
40	216	7,654	Over 54 but under 60	604	52,714
Over 40 but under 44	13	222	60 and over	768	42,708
44 and over but under 45	230	3,592			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	4,179	4,803	4,792	158,774	123,441	104,588	51 to 100	269	218	210	18,948	15,713	15,331
							101 to 250	181	165	133	28,537	26,104	20,223
No wage earners	62	354	231				251 to 500	84	62	42	27,806	21,974	14,225
1 to 5	1,976	2,386	2,163	9,876	5,203	5,543	501 to 1,000	31	18	15	21,752	11,924	10,501
6 to 20	920	1,144	1,426	10,760	12,917	16,621	1,001 to 2,500	15	11	3	20,303	14,963	4,045
21 to 50	641	445	569	20,792	14,643	18,099	2,501 and over						

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	4,179	4,803	4,792	158,774	123,441	104,588	$722,453,803	$693,237,096	$202,863,262	$294,648,715	$252,747,039	$85,893,498
Less than $5,000	(2)	1,394	1,918	(2)	1,492	5,303	(2)	3,395,058	4,356,414	(2)	2,170,588	3,100,327
$5,000 to $19,999	1,994	1,499	1,624	12,619	6,813	17,719	19,849,744	16,033,483	16,813,566	12,673,890	9,945,772	11,583,613
$20,000 to $99,999	1,274	1,055	799	24,809	15,586	20,431	56,236,414	45,941,137	34,954,524	32,817,309	24,940,047	17,613,878
$20,000 to $49,999	855	(3)	(3)	15,150	(3)	(3)	27,191,395	(3)	(3)	17,046,334	(3)	(3)
$50,000 to $99,999	419	(3)	(3)	9,659	(3)	(3)	29,045,019	(3)	(3)	15,770,975	(3)	(3)
$100,000 to $499,999	630	538	433	35,520	26,795	50,207	144,444,627	124,493,714	112,684,673	65,549,827	51,593,956	43,539,772
$100,000 to $249,999	404	(3)		17,586	(3)		64,127,264	(3)		30,614,429	(3)	
$250,000 to $499,999	226	(3)		17,934	(3)		80,317,363	(3)		34,935,398	(3)	
$500,000 to $999,999	152	170	18	23,425	20,311	10,928	106,455,861	119,925,987	34,054,085	43,306,423	42,142,492	10,055,908
$1,000,000 and over	129	147		62,401	52,444		395,467,157	383,447,717		140,301,266	121,954,184	
$1,000,000 to $2,499,999	81	(3)	(3)	23,906	(3)	(3)	126,698,718	(3)	(3)	50,538,376	(3)	(3)
$2,500,000 to $4,999,999	33	(3)	(3)	27,599	(3)	(3)	117,280,186	(3)	(3)	45,399,658	(3)	(3)
$5,000,000 and over	15	(3)	(3)	10,896	(3)	(3)	151,488,253	(3)	(3)	44,363,232	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	4,179	4,803	158,774	123,441	$722,453,803	$693,237,096	$294,648,715	$252,747,039
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,454	1,376	121,711	100,698	645,273,984	622,245,546	252,958,402	217,151,329
Other forms of ownership or control (individual, partnership, etc.)	2,725	3,427	37,063	22,743	77,179,819	70,991,550	41,690,313	35,595,710
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	512	(1)	60,124	(1)	355,495,417	(1)	130,440,346	(1)
Independent (single-unit)	3,667	(1)	98,650	(1)	366,958,386	(1)	164,208,369	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	641,899	253,523	2,267	158,766	95	53,978	470	10,273	93	30,506	40,521	388,376	3,398	50,727
1927	565,899	250,932	1,958	159,678	75	52,691	452	9,421	90	29,142	30,645	314,967	3,711	64,234
1925	523,334	272,028	1,990	182,951	75	55,593	509	6,121	89	27,363	22,150	251,306	3,916	62,986
1919 [1]	433,719	276,151	2,877	222,266	154	21,346	607	5,603	125	26,906	9,951	157,566	2,068	36,695
1914 [1]	357,130	280,672	[2] 3,439	[2] 245,811	(3)	(3)	695	7,032	795	27,829	4,315	76,458	1,110	26,682
Counties in which aggregate horsepower exceeded 25,000: 1929														
Bibb	39,519	11,378	51	8,240	5	3,026	4	112	-------	-------	1,774	28,141	286	3,486
Chatham	30,321	9,084	46	5,967	8	3,062	2	55	-------	-------	1,419	21,237	325	3,938
Floyd	31,949	14,310	11	870	9	13,305	5	135	-------	-------	2,047	17,639	488	3,900
Fulton	102,283	27,896	104	14,739	21	13,107	6	50	-------	-------	7,358	74,387	366	6,881
Muscogee	48,553	10,640	23	2,050	-------	-------	4	135	20	8,455	5,468	37,913	283	4,174
Richmond	34,575	12,831	24	3,363	2	38	9	161	16	9,269	949	21,744	27	543

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 3 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	641,899	253,523	388,376	50,727
Appling	531	439	92	
Atkinson	380	380		
Bacon	225	197	28	
Baldwin	1,347	830	517	
Barrow	1,221	114	1,107	
Bartow	12,852	4,119	8,733	180
Ben Hill	2,527	2,377	150	349
Berrien	195	187	8	
Bibb	39,519	11,378	28,141	3,486
Bleckley	558	429	129	
Brantley	97	97		
Brooks	1,884	1,585	299	34
Bryan	88	88		
Bulloch	1,136	979	157	
Burke	1,801	1,468	333	180
Calhoun	911	762	149	50
Camden	390	390		
Candler	255	250	5	
Carroll	5,018	2,680	2,338	
Catoosa	163	128	35	
Charlton	231	231		[2]
Chatham	30,321	9,084	21,237	3,938
Chattahoochee	160	160		
Chattooga	8,642	3,600	5,042	
Cherokee	5,861	1,583	4,278	15
Clarke	8,595	1,928	6,667	915
Clay	601	577	24	35
Clayton	60	57	3	
Clinch	918	876	42	
Cobb	5,495	2,089	3,406	1,305
Coffee	906	845	61	
Colquitt	4,715	3,657	1,058	165
Columbia	1,497	1,497		
Cook	286	259	27	
Coweta	10,315	3,732	6,583	
Crawford	752	752		
Crisp	2,606	2,104	502	
Dade	195	195		
Dawson	132	132		
Decatur	2,110	1,300	810	18
De Kalb	5,513	1,086	4,427	[2]
Dodge	1,082	182	900	
Dooly	498	430	68	
Dougherty	6,840	2,021	4,819	40
Douglas	1,621	1,535	86	168
Early	818	711	107	
Echols	66	66		
Effingham	789	789		
Elbert	2,788	652	2,136	
Emanuel	826	758	68	
Evans	290	282	8	
Fayette	258	232	26	
Floyd	31,949	14,310	17,639	3,900
Forsyth	95	95		
Franklin	958	384	574	
Fulton [3]	102,283	27,896	74,387	6,881
Gilmer	1,260	1,162	98	50
Glascock	215	215		
Glynn	6,480	5,752	728	5,519
Gordon	2,739	1,984	755	
Grady	388	360	28	
Greene	2,140	740	1,400	
Gwinnett	3,511	459	3,052	
Hall	13,050	4,650	8,400	
Hancock	1,357	1,200	157	
Haralson	1,369	1,355	14	
Harris	604	584	20	
Heard	254	254		
Henry	1,319	172	1,147	
Houston	6,593	6,564	29	6,155
Irwin	821	663	158	
Jackson	2,120	932	1,188	12
Jasper	1,020	650	370	
Jeff Davis	434	362	72	
Jefferson	1,886	1,795	91	
Jenkins	1,415	1,361	54	
Johnson	293	248	45	
Lamar	2,486	525	1,961	
Lanier	37	37		
Laurens	2,655	2,111	544	20
Lee	295	255	40	
Liberty	327	327		
Lincoln	820	805	15	
Lowndes	4,370	2,711	1,659	[2]
Lumpkin	65	65		
McDuffie	1,483	1,425	58	
McIntosh	531	525	6	
Macon	1,172	1,015	157	
Madison	490	235	255	
Miller	155	155		
Milton [3]	62	62		
Mitchell	2,809	1,915	894	30
Monroe	3,374	1,566	1,808	292
Montgomery	438	438		
Morgan	444	435	9	
Murray	545	401	144	
Muscogee	48,553	10,640	37,913	4,174
Oglethorpe	1,637	1,637		425
Paulding	705	300	405	
Peach	2,359	2,193	166	120
Pierce	723	360	363	
Pike	303	274	29	
Polk	18,676	3,295	15,381	2,750
Pulaski	386	329	57	
Putnam	1,528	541	987	
Quitman	834	834		
Randolph	797	749	48	
Richmond	34,575	12,831	21,744	543
Schley	144	108	36	
Screven	1,244	1,219	25	
Seminole	434	428	6	
Spalding	12,760	3,467	9,293	586
Stephens	1,188	868	320	300
Stewart	1,048	1,035	13	
Sumter	3,630	2,708	922	25
Talbot	1,278	1,142	136	
Taliaferro	258	[4] 258	[4]	
Tattnall	344	277	67	
Telfair	1,230	924	306	
Terrell	1,621	1,591	30	15
Thomas	2,841	1,674	1,167	
Tift	1,317	753	564	
Toombs	927	645	282	
Treutlen	78	[4] 78	[4]	
Troup	22,354	2,621	19,733	
Turner	786	748	38	
Twiggs	573	573		
Union	415	415		
Upson	21,132	1,245	19,887	
Walker	9,153	5,833	3,320	3,811
Walton	4,145	605	3,540	
Ware	9,833	4,368	5,465	
Warren	363	360	3	
Washington	2,862	2,800	62	402
Wayne	1,212	1,186	26	
Webster	215	215		
Wheeler	26	26		
Whitfield	7,555	1,550	6,005	750
Wilcox	227	227		
Wilkes	1,551	1,494	57	
Wilkinson	761	761		
Worth	591	230	361	
Other counties [5]	32,731	15,674	17,057	3,024

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately, to avoid disclosing data for a single establishment.
[3] Campbell and Milton Counties combined with Fulton County Jan. 1, 1932. Campbell is one of the "Other counties." The figures for Fulton County refer to that county as constituted Dec. 31, 1929.
[4] The item for electric motors is included in that for prime movers, to avoid disclosing data for a single establishment.
[5] Bacer, Butts, Campbell, Fannin, Habersham, Hart, Jones, Long, Marion, Meriwether, Newton, Oconee, Pickens, Rockdale, Taylor, Towns, and White Counties. No manufacturing reported from Banks and Rabun Counties.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	1,180,649	$4,812,968	1,277,846	1,536,459	1,456,226	1,423,083	1,316,498
Anthracite (tons, 2,240 lbs.)	24,228	152,626	[3]	34,174	3,368	3,433	10,762
Bituminous (tons, 2,000 lbs.)	1,153,514	4,660,342	[3]	1,498,184	1,452,454	1,419,238	1,304,445
Coke (tons, 2,000 lbs.)	34,942	246,474	[4]	[4]	45,215	30,315	34,628
Fuel oils, including crude oils and gas oils (gallons) [5]	32,167,801	1,236,304	[4]	[4]	8,488,620	3,470,796	2,256,324
Gasoline and kerosene (gallons) [5]	835,897	157,148	[4]	[4]	2,228,688		
Gas, natural (M cu. ft.)							
Gas, manufactured (M cu. ft.)	521,626	226,734	[4]	[4]	81,153	35,150	40,568
Other fuels		292,290	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	646,917,748	8,441,119	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 15,413,037	*Cost* $15,886,170	*Cost* [6]	*Cost* $12,058,546	*Cost* $5,529,706	*Cost* $4,302,189

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabluated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	4,179	[3] 12,960	158,774	253,523	388,376	[3] $30,238,560	$110,435,015	$412,632,695	$15,172,393	$722,453,803	$294,648,715
Agricultural implements	7	62	515	80	1,619	109,089	310,654	554,883	38,949	1,834,283	1,240,451
Awnings, tents, sails, and canvas covers	6	29	84	250	113	59,955	66,533	324,544	5,034	533,058	203,480
Baskets and rattan and willow ware, not including furniture	4	13	147	124	95	19,663	63,599	60,584	1,966	155,055	92,505
Beverages	168	238	848	688	2,315	622,658	896,563	3,326,802	116,509	8,517,517	5,074,206
Bookbinding and blank-book making	5	12	34		24	22,381	36,303	21,286	1,496	102,818	80,036
Boxes, paper, not elsewhere classified	10	48	304	40	264	128,987	224,882	593,399	27,220	1,143,936	523,317
Boxes, wooden, except cigar boxes	14	62	1,231	2,275	670	212,685	741,621	1,742,279	14,053	3,739,573	1,983,241
Bread and other bakery products	104	231	1,906	25	3,888	470,007	1,830,748	5,790,549	233,679	12,085,546	6,061,318
Brooms	7	6	69	4	31	8,700	46,795	109,827	1,391	207,246	96,028
Butter	13	22	52	80	456	41,341	51,303	802,485	18,358	1,051,475	170,632
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	10	24	456	397	46	37,776	111,568	493,282	14,995	802,099	293,822
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	20	50	491	502	435	61,041	204,409	1,101,621	28,324	1,834,148	704,203
Car and general construction and repairs, steam-railroad repair shops	31	391	6,782	6,554	21,265	1,076,592	9,138,693	8,354,244	490,834	19,124,942	10,279,864
Carriages, wagons, sleighs, and sleds	3	6	53	250	68	14,689	34,887	47,763	3,035	114,615	63,817
Cars, electric and steam railroad, not built in railroad repair shops	3	50	511	194	1,682	121,987	606,100	965,020	25,775	1,734,908	744,113
Caskets, coffins, burial cases, and other morticians' goods	16	45	222	421	543	114,052	196,989	527,533	9,248	1,099,567	562,786
Cigars and cigarettes	13	7	319		53	11,022	174,305	338,259	2,717	647,937	306,961
Clay products (other than pottery) and nonclay refractories	27	138	1,880	3,080	8,308	399,609	1,237,094	396,084	959,801	3,687,941	2,332,056
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	7	37	428		103	67,188	218,433	851,038	10,336	1,665,144	803,770
Clothing, women's, not elsewhere classified	11	47	705		149	173,726	346,679	1,071,994	15,118	2,021,830	934,718
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	20	151	2,642		715	355,633	1,450,700	3,874,205	39,306	6,753,302	2,839,791
Coffee and spice, roasting and grinding	13	32	44	15	208	69,434	32,396	656,337	7,854	884,976	220,785
Compressed and liquefied gases	10	39	69	122	1,217	125,954	78,205	187,507	65,106	868,878	616,265
Concrete products	17	35	141		322	77,017	136,066	223,101	7,389	701,861	471,371
Confectionery	30	284	1,543		1,551	757,507	860,440	2,762,121	70,262	7,005,726	4,173,343
Cooperage	13	19	134	70	259	30,830	109,535	584,691	5,139	830,016	260,186
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	17	44	216		269	125,776	193,911	1,184,527	7,902	2,001,540	809,111
Cordage and twine	7	46	819	90	2,814	152,841	409,765	2,387,123	93,668	3,505,145	1,024,354
Cotton goods	137	1,668	55,868	91,212	176,860	4,290,055	35,346,064	129,798,117	5,905,036	212,851,829	77,148,676
Druggists' preparations	7	19	25		8	26,674	21,868	148,403	673	208,826	149,750
Dyeing and finishing textiles	6	70	1,145	3,775	1,443	187,622	856,150	5,089,842	183,931	8,166,386	2,928,613
Electrical machinery, apparatus, and supplies	5	50	98		177	64,271	135,569	336,895	8,655	943,372	600,822
Feeds, prepared, for animals and fowls	8	34	99	35	1,278	92,380	62,945	2,335,318	18,396	2,727,742	374,028

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
Fertilizers	125	566	2,809	2,267	21,231	$1,187,993	$1,723,624	$20,388,516	$280,752	$29,252,800	$8,583,532
Flavoring extracts and flavoring sirups	8	59	93	-------	340	102,936	62,083	2,515,227	9,734	8,481,460	5,956,499
Flour and other grain-mill products	140	68	244	4,220	3,566	204,724	191,715	5,354,984	54,989	6,654,464	1,244,491
Food preparations, not elsewhere classified	12	57	149	30	390	62,234	92,735	1,042,635	11,409	1,484,615	430,571
Foundry and machine-shop products, not elsewhere classified	74	440	3,030	651	8,409	1,195,979	3,229,075	5,102,881	307,412	12,580,965	7,170,672
Furnishing goods, men's, not elsewhere classified	4	16	80	-------	11	30,064	44,502	201,322	1,345	355,291	152,624
Furniture, including store and office fixtures	43	199	2,307	2,032	3,986	523,462	1,824,235	3,714,112	102,185	7,611,219	3,704,922
Gas, manufactured, illuminating and heating	15	209	711	3,555	1,755	407,233	845,117	601,093	1,075,437	5,179,226	3,502,696
Grease and tallow, not including lubricating greases	3	5	10	40	45	4,715	11,344	19,220	3,751	49,127	26,156
Hand stamps and stencils and brands	5	2	26	-------	14	(4)	41,017	34,005	554	124,261	89,702
House-furnishing goods, not elsewhere classified	7	10	40	25	62	15,610	20,881	729,623	3,569	973,480	239,888
Ice cream	32	92	238	25	2,554	187,217	262,500	1,172,903	90,252	2,584,242	1,321,087
Ice, manufactured	135	263	1,196	12,675	17,108	500,243	1,066,786	275,851	829,389	5,193,538	4,088,298
Jewelry	4	6	32	-------	5	6,745	34,727	52,451	292	149,362	96,619
Knit goods	44	325	6,018	760	5,050	739,695	3,632,232	10,578,512	262,532	19,377,923	8,536,879
Lumber and timber products, not elsewhere classified	1,158	585	15,454	57,702	3,110	1,391,141	8,911,692	11,974,737	150,649	31,180,191	19,054,805
Marble, granite, slate, and other stone products	59	236	2,303	2,192	9,028	518,047	2,391,110	1,769,124	186,832	8,196,276	6,240,320
Mattresses and bed springs, not elsewhere classified	21	96	663	-------	1,810	275,756	670,183	2,342,370	32,673	4,599,630	2,224,587
Meat packing, wholesale	12	145	612	2,195	1,231	248,992	588,302	9,922,087	141,563	12,550,986	2,487,336
Millinery	6	69	554	75	130	192,466	427,264	975,150	15,197	1,974,252	983,905
Nonferrous-metal alloys and products, not including aluminum products	5	13	44	-------	363	24,903	42,967	560,550	10,195	725,722	154,977
Oil, cake, and meal, cottonseed	61	310	1,519	13,129	23,674	670,695	912,410	20,336,431	614,988	24,894,917	3,943,498
Oils, not elsewhere classified	5	21	62	250	339	81,124	39,479	672,406	12,642	1,107,390	422,342
Paints and varnishes	13	67	212	700	1,214	145,140	191,006	626,583	50,748	1,489,497	812,166
Patent or proprietary medicines and compounds	30	123	188	250	530	327,486	125,067	1,030,907	13,053	4,904,064	3,860,104
Peanuts, walnuts, and other nuts, processed or shelled	23	76	877	2,698	1,275	137,512	267,094	5,490,276	36,320	6,381,231	854,635
Perfumes, cosmetics, and other toilet preparations	8	23	50	-------	18	75,469	29,504	180,054	1,608	518,637	336,975
Photo-engraving, not done in printing establishments	10	47	125	-------	112	150,811	281,615	85,192	8,378	755,772	662,202
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	161	443	2,788	14,870	4,820	986,698	2,170,421	9,295,507	92,183	15,067,699	5,680,009
Printing and publishing, book and job	124	483	1,392	-------	1,760	971,525	1,875,534	2,103,408	81,031	7,032,882	4,848,443
Printing and publishing, newspaper and periodical	184	1,376	1,416	16	2,741	2,958,623	2,382,718	3,017,448	130,753	14,656,932	11,508,731
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	5	10	42	20	142	33,960	40,009	478,253	8,298	649,766	163,215
Shortenings (not including lard) and vegetable cooking oils	4	92	346	186	2,107	171,776	283,208	17,173,801	152,380	18,939,923	1,613,742
Signs and advertising novelties	10	27	55	-------	18	27,916	56,957	31,360	2,766	231,071	196,945
Stoves and ranges (other than electric) and warm-air furnaces	6	53	536	100	559	126,944	573,612	471,496	25,064	1,787,567	1,291,007
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	6	22	180	-------	588	71,726	249,557	423,238	7,466	940,374	509,670
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	4	12	29	60	69	46,323	17,071	201,825	6,274	360,770	152,671
Textile machinery and parts	16	39	237	235	374	116,525	246,738	346,349	15,933	979,929	617,647
Turpentine and rosin	662	725	19,912	1,123	12	865,660	7,415,084	5,046,183	165,961	18,076,499	12,864,355
Waste	5	47	482	538	1,755	135,295	259,567	2,733,076	26,353	3,541,207	781,778
Wood preserving	7	62	521	1,837	877	215,298	431,586	3,042,956	82,816	4,830,633	1,704,861
Wood turned and shaped and other wooden goods, not elsewhere classified	6	18	228	325	90	29,566	88,296	183,293	5,441	383,790	195,056
Other industries	148	1,394	11,084	18,467	35,856	3,946,191	10,154,319	83,239,637	1,628,671	125,947,986	41,079,678

[1] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 2,515 employees of central administrative offices, with salaries aggregating $4,727,873. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial county in the State, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
FULTON COUNTY											
[The totals for the county do not include data for a few establishments located outside the county (see footnotes 1 and 2), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	570	4,400	24,744	27,896	74,387	$11,136,177	$24,539,683	$120,408,690	$3,179,183	$214,785,945	$91,198,072
Beverages	10	43	166	619	557	119,063	200,837	760,050	39,279	2,000,518	1,201,189
Bookbinding and blank-book making	5	12	34	-------	24	22,381	36,303	21,286	1,496	102,818	80,036
Boxes, paper, not elsewhere classified	7	43	267	40	234	120,563	196,736	540,686	26,265	1,023,471	456,520
Bread and other bakery products	35	106	990	20	2,336	253,673	973,018	3,328,736	120,106	7,003,632	3,554,790
Brooms	4	3	52	-------	27	4,400	34,276	75,500	1,019	143,390	66,871
Car and general construction and repairs, steam-railroad repair shops	5	62	1,459	380	4,203	143,951	2,283,028	1,373,392	87,203	3,887,574	2,426,979
Caskets, coffins, burial cases, and other morticians' goods	4	24	100	150	272	75,268	110,998	327,631	5,255	651,650	318,764
Clothing, women's, not elsewhere classified	8	42	593	-------	120	166,398	307,577	1,036,855	13,214	1,901,640	851,571
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	4	36	669	-------	201	121,750	551,493	1,418,199	13,891	2,358,845	926,755
Coffee and spice, roasting and grinding	7	20	30	-------	163	44,342	23,564	391,831	4,715	524,896	128,350
Compressed and liquefied gases [1]	10	59	69	122	1,217	125,954	78,205	187,507	65,106	868,878	616,265
Concrete products	10	25	84	-------	251	61,246	82,062	160,537	6,179	503,483	336,767
Confectionery	13	185	805	-------	897	511,588	513,826	1,469,178	43,161	3,644,492	2,132,153
Cooperage	3	3	33	-------	207	4,260	38,463	162,871	3,934	237,191	70,386
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	8	35	111	-------	177	106,840	107,042	434,111	5,258	889,082	449,713
Cotton goods	7	104	3,446	14,133	6,048	312,790	2,333,039	7,725,649	320,180	12,541,341	[4] 4,495,512
Druggists' preparations [2]	7	19	25	-------	8	26,674	21,868	148,403	673	298,826	149,750
Electrical machinery, apparatus, and supplies [1]	5	50	98	-------	177	61,271	133,569	333,895	8,655	943,372	600,822
Fertilizers	12	140	525	85	5,317	330,190	403,168	4,018,969	57,816	5,924,018	1,847,233
Flour and other grain-mill products	4	9	10	-------	160	13,230	9,499	166,017	3,378	224,156	54,761
Food preparations, not elsewhere classified	7	49	122	-------	369	50,820	77,840	917,077	9,148	1,287,329	361,104
Foundry and machine-shop products, not elsewhere classified	23	119	869	8	2,140	349,699	944,837	1,233,206	90,885	3,357,796	2,033,705
Furniture, including store and office fixtures	19	104	950	555	1,488	291,884	928,877	1,899,858	43,786	3,887,439	1,943,795
Hand stamps and stencils and brands [1]	5	2	26	-------	14	[3]	41,017	34,005	554	124,261	89,702
Ice cream	8	34	76	-------	873	74,179	95,153	403,204	29,995	882,536	449,337
Ice, manufactured	8	34	144	1,580	5,735	97,605	192,783	43,567	193,522	1,442,274	1,205,185
Jewelry	4	6	32	-------	5	6,745	34,727	52,451	292	149,362	96,619
Knit goods	3	23	337	-------	635	66,171	230,713	521,837	23,220	1,048,104	503,047
Marble, granite, slate, and other stone products	5	24	144	-------	978	66,936	212,960	174,419	12,300	738,979	552,260
Millinery	6	69	554	75	130	192,466	427,264	975,150	15,197	1,974,252	983,905
Nonferrous-metal alloys and products, not including aluminum products	5	13	44	-------	363	24,903	42,967	560,550	10,195	725,722	154,977
Oil, cake, and meal, cottonseed	6	37	257	1,103	4,225	113,249	182,738	5,297,316	120,090	6,255,256	837,850
Paints and varnishes	4	34	33	-------	137	67,372	29,577	330,951	4,614	515,594	180,029
Patent or proprietary medicines and compounds	15	92	135	100	388	243,962	86,743	796,433	10,622	3,672,285	2,865,230
Perfumes, cosmetics, and other toilet preparations [1]	8	23	50	-------	18	75,469	29,504	180,054	1,608	518,637	336,975
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	17	103	582	1,870	807	255,244	571,323	1,677,654	24,409	2,931,623	1,229,560
Printing and publishing, book and job	68	370	1,016	-------	1,116	763,211	1,414,903	1,617,608	59,462	5,465,231	3,788,161
Printing and publishing, newspaper and periodical	38	810	635	-------	1,133	1,805,977	1,258,445	2,082,465	54,535	9,453,021	7,316,021
Signs and advertising novelties	10	27	55	-------	18	27,916	56,957	31,360	2,766	231,071	196,945
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	3	15	114	-------	268	45,771	170,466	293,274	4,602	600,615	302,739
Other industries	146	1,411	9,027	7,056	31,282	3,929,670	9,092,846	77,243,867	1,657,414	124,028,555	45,127,274
MUSCOGEE COUNTY											
All industries, total	96	776	12,185	10,640	37,913	$1,933,979	$8,777,275	$27,778,978	$1,327,731	$53,524,409	$24,417,700
Beverages	4	20	29	15	110	71,537	28,350	196,992	3,930	560,819	359,897
Bread and other bakery products	6	18	62	5	199	30,688	66,606	164,045	8,015	361,738	189,678
Cotton goods	9	237	8,718	7,400	26,013	596,069	5,879,908	18,070,732	915,250	32,177,375	13,191,393
Fertilizers	5	14	119	160	1,281	27,286	83,589	984,836	18,661	1,345,688	342,191
Foundry and machine-shop products, not elsewhere classified	7	99	759	85	2,149	333,245	755,504	1,554,910	54,238	3,503,650	1,894,502
Ice, manufactured	4	12	59	750	902	28,880	44,702	6,315	43,516	228,489	178,658
Lumber and timber products, not elsewhere classified	5	1	164	363	-------	[3]	106,800	41,000	250	171,300	130,050
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	5	22	139	260	640	61,172	118,340	348,500	7,849	674,242	317,393
Printing and publishing, book and job	6	29	79	-------	122	52,146	92,280	116,553	4,301	333,097	212,243
Textile machinery and parts	3	10	28	-------	52	27,341	35,988	80,671	1,923	162,369	79,775
Other industries	42	314	2,029	1,602	6,445	705,615	1,565,208	6,214,424	269,798	14,005,642	7,521,420

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Fulton County have been included in those for the county, as specified in footnotes 1 and 2, to avoid disclosing data reported by individual establishments.

[1] Includes data for 1 establishment located outside Fulton County.

[2] Includes data for 2 establishments located outside Fulton County.

[3] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

IDAHO

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 but not in those for other years. This industry was also canvassed at the census for 1914, but no automobile-repair shops were reported for Idaho. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	562	15,648	105,787	50,163	55,624	$22,451,545	$51,863,505	$50,225,704	$1,637,801	$96,352,026	$44,488,521
1927	470	13,513	89,830	48,189	41,641	18,979,643	47,927,463	46,875,197	1,052,266	86,256,399	38,328,936
1925	490	15,794	82,552	58,254	24,298	20,708,725	53,151,610	(4)	(4)	96,989,661	43,838,051
1923	510	16,347	72,146	48,870	23,276	22,886,215	43,133,993	(4)	(4)	87,428,909	44,294,916
1921	485	10,783	(5)	(5)	(5)	15,183,270	36,057,495	(4)	(4)	57,067,462	21,009,967
1919	922	13,917	73,840	55,633	18,207	18,548,272	43,948,505	42,345,546	1,602,959	80,510,749	36,562,244
1914	698	8,919	50,297	40,369	9,928	7,490,521	14,892,094	14,420,162	471,932	28,453,797	13,561,703
1909	725	8,220	42,784	38,178	4,606	5,497,647	9,920,017	9,439,169	480,848	22,399,860	12,479,843
1904	364	3,061	16,887	16,350	537	2,059,391	4,068,523	3,820,448	248,075	8,768,743	4,700,220
1899	287	1,552	5,649	5,643	6	818,239	1,438,868	(6)	(6)	3,001,442	1,562,574
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	19.6	15.8	17.8	4.1	33.6	18.3	8.2	7.1	55.6	11.7	16.1
1925–1927	−4.1	−14.4	8.8	−17.3	71.4	−8.4	−9.8			−11.1	−12.6
1923–1925	−3.9	−3.4	14.4	19.2	4.4	−9.5	23.2			10.9	−1.0
1921–1923	5.2	51.6				50.7	19.6			53.2	110.8
1919–1921	−47.4	−22.5				−18.1	−18.0			−29.1	−42.5
1919–1929	−39.0	12.4	43.3	−9.8	205.5	21.0	18.0	18.6	2.2	19.7	21.7
1909–1919	27.2	69.3	72.6	45.7	295.3	237.4	343.0	348.6	233.4	259.4	193.0
1899–1909	152.6	429.6	657.4	576.6	(7)	571.9	589.4			646.3	698.7

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.
[7] Per cent not computed where base is less than 100.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

[This table gives statistics for each county reporting 10 wage earners or more, for which it is possible to publish separate figures without disclosing an approximation of the data supplied by individual establishments. In the cases of Lemhi and Teton Counties, which reported fewer than 10 wage earners, statistics are here presented in order that comparisons may be made with the figures for these counties as published (in mimeographed form) for 1927. Certain of the counties for which separate figures could not be published without disclosing data for individual establishments—i. e., the "Other counties"—reported larger numbers of wage earners or larger values of products than some of the counties shown separately]

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	445,032	562	15,648	105,787	$22,451,545	$51,863,505	$50,225,704	$1,637,801	$96,352,026	$44,488,521
Counties										
Ada	37,925	54	1,052	4,107	1,272,541	2,594,539	2,463,482	131,057	5,301,706	2,707,167
Adams	2,867	4	13	178	12,910	12,287	9,707	2,580	62,438	50,151
Bannock	31,266	33	1,047	10,090	1,701,478	5,210,462	5,072,595	137,867	7,816,018	2,605,556
Bear Lake	7,872	10	46	664	73,431	220,797	212,728	8,069	345,005	124,208
Benawah	6,371	17	564	2,018	911,342	489,128	476,258	12,870	2,088,805	1,599,677
Bingham	18,561	16	128	3,108	199,744	1,461,831	1,391,493	70,338	1,958,577	496,746
Bonner	13,152	24	1,754	7,459	2,447,082	3,134,162	3,083,874	50,288	8,177,050	5,042,888
Bonnaville	19,664	21	171	2,097	264,558	1,228,743	1,143,883	84,860	2,138,358	909,615
Boundary	4,555	13	120	368	177,375	133,535	130,439	3,096	479,132	345,597
Canyon	30,930	36	468	3,118	733,333	5,703,224	5,586,423	116,801	7,519,229	1,816,005
Cassia	13,116	13	81	1,332	98,406	769,826	744,013	25,813	1,152,523	382,697
Clearwater	6,599	13	674	4,886	867,524	577,015	541,575	35,440	2,124,991	1,547,976
Franklin	9,379	7	137	1,482	114,885	1,083,902	1,044,185	39,717	1,369,831	285,929
Fremont	9,924	9	82	430	118,122	344,200	338,818	5,382	711,836	367,636
Gooding	7,580	8	26	144	31,495	517,136	511,363	5,773	650,916	133,780
Idaho	10,107	14	71	408	95,376	170,665	165,030	5,635	346,538	175,873
Jefferson	9,171	7	52	1,074	68,496	493,472	475,795	17,677	635,948	142,476
Kootenai	19,469	34	2,855	15,051	3,781,926	3,127,867	3,111,164	16,703	10,150,338	7,022,471
Latah	17,798	33	1,564	7,463	2,796,663	1,105,056	995,683	109,373	4,709,431	3,604,375
Lemhi	4,643	6	7	223	11,552	150,217	146,845	3,372	186,774	36,557
Lewis	5,238	5	287	1,119	411,304	212,787	212,617	170	834,296	621,509
Madison	8,316	10	98	1,787	137,808	973,665	917,263	56,402	1,373,279	399,614
Minidoka	8,403	9	23	302	25,831	375,658	369,869	5,789	473,198	97,540
Nez Perce	17,591	27	1,899	22,422	3,040,363	2,337,992	2,234,218	103,774	7,501,224	5,163,232
Oneida	5,870	4	17	312	23,935	362,979	355,010	7,969	498,009	135,030
Payette	7,318	21	234	703	165,885	1,797,863	1,765,048	32,815	2,315,778	517,915
Teton	3,573	5	6	81	6,943	111,943	107,995	3,948	135,419	23,476
Twin Falls	29,828	31	179	1,040	248,421	2,082,032	2,031,038	50,994	3,013,988	931,956
Valley	3,488	6	228	1,186	265,737	114,048	106,798	7,250	687,637	573,589
Washington	7,962	11	39	428	50,581	426,469	410,414	16,055	618,608	192,139
All other counties [3]	66,496	61	1,726	10,707	2,296,498	14,540,005	14,070,081	469,924	20,975,146	6,435,141
Cities having 10,000 inhabitants or more										
Boise	21,544	45	344	1,212	474,127	1,636,288	1,555,220	81,068	3,200,057	1,563,769
Pocatello	16,471	21	957	7,927	1,566,414	3,326,172	3,222,781	103,391	5,726,774	2,400,602

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Blaine, Boise, Butte, Camas, Caribou, Clark, Custer, Elmore, Gem, Jerome, Lincoln, Power, and Shoshone Counties; combined in order to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported in Owyhee County.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	17,358	16,639	719	335	323	12	[2] 189	[2] 177	12	[2] 1,186	[2] 951	[2] 235	15,648	[3] 15,188	[3] 460
1919 [1, 4]	16,268	15,483	785	851	817	34	145	142	3	1,355	1,079	276	13,917	13,445	472
1914 [4]	10,529	10,220	309	644	624	20	83	80	3	863	768	95	8,919	8,728	191
1909	9,909	9,646	263	831	811	20	108	104	4	750	666	84	8,220	8,065	155

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 13 (male). Other salaried officers and employees—total, 16; male, 9; female, 7. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the figures for 1919 but not in those for other years. This industry was also canvassed at the census for 1914, but no automobile-repair shops were reported for Idaho.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	15,648	12,792	*12,253*	12,702	14,386	16,120	17,145	17,275	17,543	17,260	**18,376**	17,493	14,451	66.6
1919 [1]	13,917	11,248	*11,178*	11,323	12,849	14,020	14,637	14,555	14,568	15,552	16,252	**16,342**	14,480	68.4
1914 [1]	8,919	6,915	*6,414*	7,577	8,738	9,853	**10,583**	10,368	10,069	10,091	9,831	8,783	7,806	60.6
1909 [1]	8,220	6,145	*6,055*	7,270	8,279	8,664	8,929	8,939	8,696	8,690	9,525	8,971	8,507	63.3

[1] Data for the "Automobile repairing" industry are included in the figures for 1919 but not in those for other years. This industry was also canvassed at the census for 1914, but no automobile-repair shops were reported for Idaho.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	562	15,648	45 and over but under 48	6	1,130
			48	209	6,128
Not reported	43	87	Over 48 but under 54	15	145
Under 40	9	18	54	78	4,005
40	[1] 6	[1] 718	Over 54 but under 60	32	764
Over 40 but under 44			60 and over	145	1,059
44 and over but under 45	19	1,594			

[1] Combined to avoid disclosing data for individual establishments.

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	562	922	725	15,648	13,917	8,220	51 to 100	13	12	13	888	834	857
							101 to 250	10	16	5	1,491	2,370	661
No wage earners	20	137	56				251 to 500	4	10	3	1,388	3,605	953
1 to 5	351	579	494	835	1,100	1,098	501 to 1,000	6	3	3	4,290	2,208	2,418
6 to 20	105	133	123	1,087	1,408	1,304	1,001 to 2,500	3	1		4,116	1,426	
21 to 50	50	31	28	1,553	966	929							

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	562	922	725	15,648	13,917	8,220	$96,352,026	$80,510,749	$22,399,860	$44,488,521	$36,562,244	$12,479,843
Less than $5,000	[2]	300	279	[2]	184	354	[2]	870,035	743,265	[2]	602,448	523,258
$5,000 to $19,999	240	314	281	479	760	1,184	2,583,958	3,427,716	2,854,751	1,543,595	1,960,795	1,756,615
$20,000 to $99,999	193	195	129	1,262	1,371	1,751	9,065,088	8,410,814	5,785,475	3,959,663	3,636,704	2,771,134
$20,000 to $49,999	113	[3]	[3]	504	[3]	[3]	3,579,285	[3]	[3]	1,659,386	[3]	[3]
$50,000 to $99,999	80	[3]	[3]	758	[3]	[3]	5,485,803	[3]	[3]	2,300,277	[3]	[3]
$100,000 to $499,999	92	74		2,511	2,138		20,778,369	16,288,813		9,159,250	5,931,257	
$100,000 to $249,999	59	[3]		1,126	[3]		9,369,843	[3]		4,114,689	[3]	
$250,000 to $499,999	33	[3]	36	1,385	[4]	4,931	11,408,526	[4]	13,016,369	5,044,561	[3]	7,428,836
$500,000 to $999,999	17	21		1,480	2,545		12,175,070	14,624,616		4,678,966	6,535,775	
$1,000,000 and over	20	18		9,916	6,919		51,749,541	36,888,755		25,147,047	17,895,265	
$1,000,000 to $2,499,999	15	[3]	[3]	4,684	[3]	[3]	22,689,987	[3]	[3]	11,101,529	[3]	[3]
$2,500,000 to $4,999,999	[4] 5	[3]	[3]	[4] 5,232	[3]	[3]	[4] 29,059,554	[3]	[3]	[4] 14,045,518	[3]	[3]
$5,000,000 and over		[3]	[3]		[3]	[3]		[3]	[3]		[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.
[4] Combined to avoid disclosing data for individual establishments.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	562	922	15,648	13,917	$96,352,026	$80,510,749	$44,488,521	$36,562,244
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	267	284	14,288	12,084	87,195,194	70,230,068	40,351,699	31,830,993
Other forms of ownership or control (individual, partnership, etc.)	295	638	1,360	1,833	9,156,832	10,280,681	4,136,922	4,731,251
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	127	(1)	9,274	(1)	60,068,058	(1)	24,746,832	(1)
Independent (single-unit)	435	(1)	6,374	(1)	36,283,968	(1)	19,741,689	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE: 1929, 1927, 1925, 1919, AND 1914

CENSUS YEAR	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers									Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
1929	105,787	50,163	209	30,857	33	18,403	31	738	4	165	4,437	55,624	651	14,917
1927	89,830	48,189	201	30,375	48	17,238	24	299	7	277	3,514	41,641	589	16,479
1925	82,552	58,254	287	41,639	21	15,328	32	604	24	683	2,174	24,298	578	18,294
1919 [1]	73,840	55,633	392	42,240	17	11,064	60	578	34	1,751	1,636	18,207	369	11,682
1914 [1]	50,297	40,369	[2] 353	[2] 38,264	[3]	[3]	55	431	32	1,674	874	9,928	195	6,192

[1] Date for the "Automobile repairing" industry are included in the figures for 1919 but not in those for other years. This industry was also canvassed at the census for 1914, but no automobile-repair shops were reported for Idaho.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See headnote on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—Plant Energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—Plant Energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	105,787	50,163	55,624	14,917	Idaho	408	220	188	----------
					Jefferson	1,074	965	109	----------
Ada	4,107	748	3,359	----------	Kootenai	15,051	14,700	351	4,691
Adems	178	25	153	----------	Latab	7,463	6,414	1,049	4,412
Bannock	10,090	1,410	8,680	----------					
Bear Lake	664	335	329	----------	Lemhi	223	160	63	----------
Benewah	2,018	1,752	266	220	Lewis	1,119	1,085	34	----------
					Madison	1,787	1,411	376	63
Bingham	3,108	2,190	918	----------	Minidoke	302	----------	302	----------
Bonner	7,459	6,655	804	----------					
Bonneville	2,097	1,179	918	15	Nez Perce	22,422	85	22,337	----------
Boundary	368	348	20	----------	Oneida	312	85	227	----------
Canyon	3,118	195	2,923	110	Payette	703	135	568	----------
					Teton	81	20	61	----------
Cassie	1,332	686	646	419					
Clearwater	4,886	4,716	170	2,223	Twin Falls	1,040	55	985	----------
Franklin	1,482	1,182	300	1,500	Valley	1,186	1,090	96	130
Fremont	430	215	215	----------	Weshington	428	105	323	----------
Gooding	144	16	128	----------	All other counties [2]	10,707	1,981	8,726	1,134

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] See footnote 3, Table 2.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	139,458	$671,980	141,026	141,380	152,409	88,418	65,095
Anthracite (tons, 2,240 lbs.)	1,648	15,348	[3]	532	353	175	451
Bituminous (tons, 2,000 lbs.)	137,612	656,632	[3]	140,784	152,014	88,222	64,590
Coke (tons, 2,000 lbs.)	23,755	279,955	[4]	[4]	24,429	2,482	3,066
Fuel oils, including crude oils and gas oils (gallons) [5]	1,193,677	59,341	[4]	[4]	991,998	95,466	117,180
Gasoline and kerosene (gallons) [5]	97,191	18,860	[4]	[4]	38,514		
Gas, natural (M cu. ft.)							
Gas, manufactured (M cu. ft.)	3,400	3,853	[4]	[4]	3,751	2,256	615
Other fuels		23,963	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	61,855,526	580,096	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 1,638,048	*Cost* $1,052,266	*Cost* [3]	*Cost* $1,602,959	*Cost* $471,932	*Cost* $480,848

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	562	[3] 1,375	15,648	50,163	55,624	[3] $3,036,272	$22,451,545	$50,225,704	$1,637,801	$96,352,026	$44,488,521
Awnings, tents, sails, and canvas covers	4	7	23	----------	14	15,022	27,735	73,815	922	123,016	48,279
Beverages	15	3	24	----------	77	6,718	27,806	67,610	2,099	178,190	108,481
Bread and other bakery products	56	23	267	5	474	41,404	336,028	1,086,625	80,294	2,024,503	857,584
Butter	34	88	309	190	1,380	171,475	356,654	9,324,578	91,067	11,127,108	1,711,463
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	14	27	222	55	307	39,330	135,963	533,118	30,052	917,872	354,702
Car and general construction and repairs, steam-railroad repair shops	9	94	1,039	822	7,456	236,848	1,775,425	1,441,605	104,795	3,559,358	2,012,958
Cheese	34	12	62	61	137	10,341	79,020	1,405,876	23,935	1,664,054	234,243
Clay products (other than pottery) and nonclay refractories	6	9	52	50	523	16,880	53,618	15,452	28,569	158,476	114,455
Coffee and spice, roasting and grinding	3	5	4	----------	25	9,660	5,428	111,430	1,404	153,630	40,796
Concrete products	3	4	9	----------	32	3,180	8,969	16,285	806	44,088	26,997
Feeds, prepared, for animals and fowls	11	7	15	40	740	2,678	18,324	262,898	6,546	330,577	61,133
Flour and other grain-mill products	61	49	227	347	4,684	75,193	294,564	5,155,462	108,593	6,889,112	1,625,057
Food preparations, not elsewhere classified	3	4	19	----------	82	6,086	17,789	42,511	4,370	96,917	50,036
Foundry and machine-shop products, not elsewhere classified	14	16	111	45	593	40,001	162,603	176,732	16,287	565,313	372,294
Ice cream	8	11	27	45	171	27,040	34,488	133,569	7,758	296,175	154,848
Ice, manufactured	16	20	81	----------	2,061	47,534	109,201	20,558	57,293	420,843	342,992
Lumber and timber products, not elsewhere classified	101	502	11,228	39,468	25,925	1,301,806	16,051,860	6,906,271	231,004	33,886,402	26,749,127
Meat packing, wholesale	14	21	111	25	458	40,551	154,175	1,814,339	29,235	2,274,431	430,857
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	9	----------	24	24	153	----------	30,893	43,990	3,344	103,538	56,204
Printing and publishing, book and job	16	25	99	----------	126	69,583	145,685	116,303	6,803	467,147	344,041
Printing and publishing, newspaper and periodical	80	240	379	2	768	448,228	647,515	394,870	40,537	2,521,811	2,086,404
Wood preserving	6	20	143	720	425	48,851	227,198	3,002,571	19,636	3,798,781	776,574
Other industries	45	188	1,173	8,264	9,013	377,863	1,750,604	18,079,236	742,452	24,750,684	5,928,996

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[3] Not including data for 29 employees of central administrative offices, with salaries aggregating $71,433. See GENERAL EXPLANATIONS—Persons Engaged.

ILLINOIS

TABLE 1.—SUMMARY FOR THE STATE: 1899 to 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	15,333	691,555	2,807,001	1,222,555	1,584,446	$1,024,870,235	$3,352,054,479	$3,198,957,624	$153,096,855	$6,282,092,240	$2,930,037,761
1927	14,711	623,468	2,456,997	1,205,918	1,251,079	914,102,612	2,921,092,107	2,766,719,071	154,373,036	5,386,003,235	2,464,911,128
1925	14,117	622,368	2,247,408	1,171,056	1,076,352	897,970,455	2,926,064,176	(4)	(4)	5,321,837,866	2,395,773,690
1923	14,345	645,627	1,942,516	1,031,446	911,070	913,220,186	2,794,612,564	(4)	(4)	5,041,113,314	2,246,500,750
1921	13,952	513,876	(5)	(5)	(5)	701,529,531	2,098,750,009	(4)	(4)	3,705,379,662	1,606,629,653
1919	18,593	653,114	1,654,947	1,064,706	590,241	801,087,359	3,488,270,446	3,362,381,054	125,889,392	5,425,244,694	1,936,974,248
1914	18,388	506,943	1,294,421	1,021,759	272,662	340,910,325	1,340,183,407	1,288,755,811	51,427,596	2,247,322,819	907,139,412
1909	18,026	465,764	1,006,355	889,348	117,007	273,319,005	1,160,926,690	1,112,732,290	48,194,400	1,919,276,594	758,349,904
1904	14,921	379,436	730,014	688,036	41,978	208,405,468	840,057,316	811,436,902	28,620,414	1,410,342,129	570,284,813
1899	14,374	332,871	544,722	532,251	12,471	159,104,179	681,450,122	(5)	(5)	1,120,868,308	439,418,186
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	4.2	10.9	14.2	1.4	26.6	12.1	14.8	15.6	−0.8	16.6	18.9
1925–1927	4.2	0.2	9.3	3.0	16.2	1.8	−0.2			1.2	2.9
1923–1925	−1.6	−3.6	15.7	13.5	18.1	−1.7	4.7			5.6	6.6
1921–1923	2.8	25.6				30.2	33.2			36.0	39.8
1919–1921	−25.0	−21.3				−12.4	−39.8			−31.7	−17.1
1919–1929	−17.5	5.9	69.6	14.8	168.4	27.9	−3.9	−4.9	21.6	15.8	51.3
1909–1919	3.1	40.2	64.4	19.7	404.4	193.1	200.5	202.2	161.2	182.7	155.4
1899–1909	25.4	39.9	84.7	67.1	838.2	71.8	70.4			71.2	72.6

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	7,630,654	15,333	691,555	2,807,001	$1,024,870,235	$3,352,054,479	$3,198,957,624	$153,096,855	$6,282,092,240	$2,930,037,761
Industrial Areas										
Chicago Area,[3] total	4,675,877	11,774	550,903	2,729,674	869,218,189	3,009,840,883	2,814,605,897	195,234,986	5,558,331,242	2,548,490,359
Portion in Illinois	4,414,567	11,484	500,575	1,855,925	780,539,035	2,501,584,901	2,389,573,797	112,011,104	4,754,460,056	2,252,875,155
Portion in Indiana	261,310	290	50,328	873,749	88,679,154	508,255,982	425,032,100	83,223,882	803,871,186	295,615,204
St. Louis Area,[4] total	1,335,158	3,287	154,321	624,756	198,007,887	918,872,403	890,700,208	28,172,195	1,541,953,654	623,081,251
Portion in Illinois	301,605	480	39,450	289,472	55,520,872	315,517,231	302,071,770	13,445,461	473,797,967	158,280,736
Portion in Missouri	1,033,553	2,807	114,871	335,284	142,487,015	603,355,172	588,628,438	14,726,734	1,068,155,687	464,800,515
Counties in Illinois [5]										
Adams	62,784	139	5,027	26,232	5,763,603	13,813,415	12,938,847	874,568	32,587,921	18,774,506
Alexander	22,542	44	1,125	8,488	1,176,251	6,349,558	6,234,926	114,632	8,818,488	2,468,930
Bond	11,406	15	315	1,154	317,064	1,237,646	1,165,999	71,647	2,151,107	913,461
Boone	15,078	19	1,388	2,700	1,593,100	3,776,447	3,639,399	137,048	7,742,507	3,966,060
Brown	7,892	3	11	11	11,071	14,923	13,951	972	44,704	29,781
Bureau	38,845	31	865	8,352	1,127,519	2,070,337	1,522,528	547,809	6,722,408	4,652,071
Calhoun	8,034	3	11	11	10,112	12,660	12,580	80	38,399	25,739
Carroll	18,433	23	341	1,183	517,622	1,335,844	1,266,976	68,868	2,111,511	775,667
Cass	16,537	11	543	732	776,693	3,203,620	3,111,629	91,991	4,348,487	1,144,867
Champaign	64,273	74	1,117	6,468	1,658,589	4,453,092	4,144,253	308,839	8,653,534	4,200,442

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties in Illinois [5]—Continued										
Christian	37,538	35	647	2,864	$796,813	$3,318,523	$3,194,850	$123,673	$5,200,827	$1,882,304
Clark	17,872	14	110	198	86,460	185,654	176,108	9,546	480,031	294,377
Clinton	21,369	20	417	2,748	417,336	2,596,310	2,480,958	115,852	3,713,247	1,116,437
Coles	37,315	44	2,220	4,285	2,165,247	5,683,681	5,531,301	162,380	10,561,068	4,867,387
Cook [3]	3,982,123	10,871	462,750	1,643,668	727,953,161	2,369,197,731	2,272,383,606	96,814,125	4,482,159,689	2,112,961,958
Crawford	21,085	31	664	5,276	932,613	6,840,471	6,629,498	210,973	10,124,836	3,284,365
Cumberland	10,419	7	93	61	61,776	158,582	156,295	2,287	365,473	206,891
De Kalb	32,644	52	2,150	8,654	2,802,690	19,034,491	18,634,180	400,311	27,532,598	8,498,107
De Witt	18,598	11	502	1,527	653,672	686,978	622,692	64,286	1,620,269	933,291
Douglas	17,914	15	167	814	197,451	574,422	561,063	23,359	1,075,368	500,946
Du Page	91,998	56	1,303	4,125	1,712,836	4,472,170	4,280,082	192,088	10,752,883	6,280,713
Edgar	24,966	27	750	1,599	695,944	2,363,624	2,311,097	52,527	4,466,644	2,103,020
Edwards	8,303	9	297	805	275,013	255,357	188,381	66,976	714,841	459,484
Effingham	19,013	25	674	2,202	577,395	1,172,328	1,104,365	67,963	2,328,379	1,156,051
Fayette	23,487	17	927	1,471	755,257	2,614,377	2,544,310	70,067	4,039,434	1,425,057
Ford	15,489	18	208	984	196,709	1,087,741	1,050,042	37,699	1,633,767	546,026
Franklin	59,442	38	129	1,078	177,692	361,314	331,489	29,825	940,005	578,691
Gallatin	10,091	4	39	171	32,340	39,549	38,669	880	112,815	73,266
Greene	20,417	16	394	2,001	441,299	518,800	390,605	128,195	1,222,625	703,825
Grundy	18,678	20	1,176	3,428	1,393,742	3,112,164	2,906,831	205,333	7,182,873	4,070,709
Hamilton	12,995	9	200	439	117,201	377,823	359,945	17,878	661,998	284,175
Hancock	26,420	29	309	521	279,314	923,811	906,583	17,228	1,668,782	744,971
Henderson	8,778	5	25	79	14,644	46,180	44,738	1,442	98,787	52,607
Henry	43,851	40	2,561	7,603	3,261,508	5,357,372	5,022,675	334,697	14,600,010	9,242,638
Iroquois	32,913	29	361	1,640	294,702	1,509,545	1,443,876	65,669	2,524,373	1,014,828
Jackson	35,680	33	1,504	3,696	1,439,032	5,554,200	5,411,038	143,162	9,054,548	3,500,348
Jasper	12,809	7	16	334	16,842	85,940	84,337	1,603	145,676	59,736
Jefferson	31,034	27	2,719	6,189	2,648,626	13,656,947	13,424,699	232,248	19,469,647	5,812,700
Jo Daviess	20,235	60	423	1,595	485,070	1,984,786	1,910,026	74,760	2,867,656	882,870
Johnson	10,203	4	7	62	7,850	12,348	11,900	448	34,470	22,122
Kane [3]	125,327	264	16,201	39,724	21,080,070	36,361,116	35,057,574	1,303,542	89,875,977	53,514,861
Kankakee	50,095	73	4,046	10,801	4,408,811	9,388,409	8,805,453	582,956	18,867,731	9,479,322
Kendall	10,555	7	266	495	303,245	366,963	336,573	30,390	1,035,197	668,234
Knox	51,336	66	3,094	12,319	3,901,776	13,470,814	12,815,540	655,274	23,248,834	9,778,020
Lake	104,387	142	8,577	56,822	13,467,126	38,828,981	36,011,861	2,817,120	74,865,824	36,036,843
LaSalle [6]	97,695	140	11,259	99,888	13,998,648	26,915,863	22,168,611	4,747,252	63,873,437	36,957,574
Lee	32,329	33	1,649	18,603	1,980,003	7,737,180	7,214,721	522,459	14,868,117	7,130,937
Livingston	39,092	39	979	1,913	1,047,432	1,555,090	1,299,958	255,132	3,535,499	1,980,409
Logan	28,863	22	412	729	389,281	906,316	832,474	73,842	1,746,548	840,232
McDonough	27,329	38	983	4,088	949,322	3,215,817	2,974,748	241,069	5,337,449	2,121,632
McHenry	35,079	46	1,719	4,674	2,212,198	4,120,028	3,904,294	215,734	9,321,664	5,201,636
McLean	73,117	75	3,115	12,505	4,115,898	7,473,026	7,153,725	339,301	17,350,897	9,877,871
Macon	81,731	101	8,014	39,238	10,444,307	29,139,195	27,755,471	1,383,724	53,963,191	24,823,996
Macoupin	48,703	47	263	1,257	340,350	702,828	670,365	32,463	1,322,297	619,469
Madison [4]	143,830	198	22,089	179,187	32,885,462	165,871,606	156,416,817	9,454,789	258,804,982	92,933,376
Marion	35,635	36	1,962	4,400	2,166,755	4,117,176	3,964,386	152,790	7,950,869	3,833,693
Mason	15,115	12	213	1,543	237,528	369,365	328,923	40,442	899,325	529,960
Massac	14,051	15	734	1,866	589,291	1,900,994	1,846,730	54,264	3,162,626	1,261,632
Menard	10,575	6	55	262	42,477	309,931	297,503	12,428	395,644	85,713
Mercer	16,641	9	145	524	181,772	332,440	251,969	80,471	678,999	346,559
Monroe	12,369	11	166	803	134,668	853,163	834,241	18,922	1,211,611	358,448
Montgomery	35,278	36	1,398	6,013	1,545,369	5,402,904	4,954,222	448,682	8,832,815	3,429,911
Morgan	34,240	42	912	2,712	908,240	4,244,856	4,133,665	111,191	6,631,940	2,387,084
Moultrie	13,247	9	35	117	36,810	84,392	79,508	4,884	212,418	128,026
Ogle	28,118	41	1,237	4,867	1,729,329	6,010,048	5,808,114	201,934	11,031,921	5,021,873
Peoria [6]	141,344	202	8,473	62,342	11,433,051	60,054,247	57,265,940	2,788,307	101,952,359	41,898,112
Perry	22,767	27	274	1,640	266,604	1,408,856	1,300,119	108,737	2,256,632	847,176
Pike	24,357	13	64	759	58,116	486,133	474,546	11,587	671,589	185,456
Pulaski	14,834	16	702	1,944	656,813	782,091	734,089	47,912	1,904,041	1,122,040
Putnam	5,235	3	13	179	11,187	5,751	5,443	308	22,503	16,752
Randolph	29,313	28	1,300	3,687	1,117,379	7,018,871	6,937,020	81,851	10,506,179	3,487,308
Rock Island [6]	98,191	150	15,994	61,996	22,620,099	47,450,085	45,477,093	1,972,992	112,784,519	65,334,434
St Clair [4]	157,775	282	17,361	110,285	22,635,410	149,645,625	145,654,953	3,990,672	214,992,985	65,347,360
Saline	37,100	18	188	1,106	239,887	896,112	861,192	34,920	1,432,922	536,810
Sangamon	111,733	121	5,244	14,685	6,594,347	13,427,126	12,804,970	622,156	33,441,576	20,014,450
Schuyler	11,676	7	105	263	155,087	323,757	317,947	5,810	572,301	248,544
Shelby	25,471	15	216	660	164,995	732,755	707,319	25,436	1,237,366	504,611
Stark	9,184	11	49	382	57,618	232,214	224,980	7,234	405,235	173,021
Stephenson	40,064	86	3,241	10,714	4,069,153	12,857,557	12,450,822	406,735	25,557,513	12,699,956
Tazewell	46,082	66	6,300	31,876	8,710,141	40,098,965	38,960,559	1,138,406	80,225,197	40,126,232
Union	19,883	19	294	1,605	206,382	390,569	363,379	27,190	993,047	602,478
Vermilion	89,339	94	4,674	17,473	5,795,162	15,871,151	14,700,862	1,170,289	28,420,375	12,549,224
Wabash	13,197	19	590	4,124	583,677	2,100,175	2,016,344	83,831	3,436,818	1,336,643
Warren	21,745	19	428	1,034	612,129	599,051	499,126	99,925	1,642,282	1,043,231
Washington	16,286	11	61	564	45,990	364,153	350,889	13,264	602,502	138,349
White	18,149	13	435	532	311,782	673,612	656,129	17,483	1,232,568	558,956
Whiteside	39,019	64	2,931	10,836	3,656,790	11,145,649	10,650,158	495,491	21,471,684	10,326,035
Will	110,732	151	11,744	111,586	16,325,842	52,724,903	41,840,674	10,884,229	96,805,683	44,080,780
Williamson	53,880	33	194	1,172	265,354	790,277	749,455	40,822	1,492,988	702,711
Winnebago [6]	117,373	283	19,916	64,750	28,291,371	45,807,453	43,178,716	2,628,737	115,812,461	70,005,008
Woodford	18,792	14	182	1,598	138,182	554,338	517,310	17,028	1,042,125	507,787
All other counties [7]	179,863	125	6,574	18,111	7,019,160	25,893,331	25,182,817	710,514	41,678,893	15,785,562

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Cities in Illinois having 10,000 inhabitants or more [8]										
Alton	30,151	50	2,716	14,276	$3,272,725	$10,429,809	$9,688,526	$741,283	$20,052,724	$9,622,915
Aurora	46,589	104	5,138	13,803	6,958,778	12,103,307	11,587,930	515,377	30,939,749	18,836,442
Bellville	28,425	83	3,422	7,222	4,047,620	10,657,260	10,349,190	308,070	20,336,694	9,679,434
Berwyn	47,027	27	64	54	105,076	228,726	221,784	6,942	481,074	252,348
Bloomington	30,930	62	2,937	12,050	3,972,917	7,039,677	6,710,944	328,733	16,644,122	9,604,445
Blue Island	16,534	27	1,155	7,220	1,163,611	4,760,185	4,440,374	319,811	9,756,553	4,996,368
Brookfield	10,035	4	23	30	36,585	53,846	49,784	4,062	233,015	179,169
Cairo	15,532	37	913	7,067	974,054	4,602,252	4,508,604	93,648	6,680,899	2,078,647
Calumet City	12,298	15	814	4,967	1,193,964	6,407,834	6,200,381	207,453	8,951,867	2,544,033
Centralia	12,583	16	259	1,983	287,563	528,116	450,567	77,549	1,246,505	718,389
Champaign	20,348	44	459	2,248	644,760	3,044,537	2,873,795	170,742	5,312,647	2,268,110
Chicago [3]	3,376,438	10,201	405,399	1,393,553	626,466,054	2,100,935,460	2,014,019,354	86,916,106	3,915,052,959	1,814,117,499
Chicago Heigbts	22,321	63	4,492	33,751	6,994,910	24,657,100	23,146,465	1,510,635	44,025,879	19,368,779
Cicero	66,602	118	32,386	95,623	61,460,717	120,504,532	117,895,247	2,609,285	295,184,824	174,680,292
Danville	36,765	61	2,395	7,132	3,048,598	7,859,302	7,500,542	358,760	14,421,547	6,562,245
Decatur	57,510	95	7,586	37,522	9,698,688	27,861,102	26,547,367	1,313,735	51,633,868	23,772,766
East St. Louis	74,347	113	6,663	54,795	9,257,670	56,566,407	54,336,175	2,230,232	88,762,693	32,196,286
Elgin	35,929	82	6,996	11,860	8,575,160	13,012,075	12,662,532	349,543	32,052,503	19,040,428
Elmhurst	14,055	7	88	277	132,953	213,122	199,610	13,512	505,170	292,048
Evanston	63,338	71	1,108	5,119	1,930,769	3,930,921	3,709,812	221,109	11,484,315	7,553,394
Forest Park	14,555	42	486	1,929	758,493	2,114,608	2,053,536	60,672	4,340,321	2,225,713
Freeport	22,045	46	3,166	10,166	3,959,194	11,807,075	11,419,846	387,229	24,200,222	12,393,147
Galesburg	28,830	50	2,672	8,981	2,702,396	10,051,364	9,711,345	340,019	15,944,908	5,893,544
Granite City	25,130	33	8,157	37,651	13,891,736	25,864,429	23,886,909	1,977,520	58,004,853	32,140,424
Harvey	16,374	22	4,124	15,322	6,887,167	15,151,279	14,361,500	789,779	33,295,181	18,143,902
Highland Park	12,203	6	40	660	82,610	78,292	61,360	16,932	255,955	177,663
Jacksonville	17,747	38	895	2,700	897,787	4,234,437	4,124,113	110,324	6,597,896	2,363,459
Joliet	42,993	94	4,928	19,589	6,712,830	19,029,391	11,891,394	7,137,897	39,045,462	20,016,071
Kankakee	20,620	49	2,619	5,977	2,663,140	6,270,948	6,021,874	249,074	12,063,451	5,822,503
Kewanee	17,093	20	2,274	6,464	2,919,975	4,343,321	4,051,410	291,911	12,478,857	8,135,536
La Grange	10,103	14	191	1,511	325,104	703,437	652,754	50,683	1,443,918	740,481
La Salle	13,149	14	1,121	3,659	1,448,462	3,896,454	3,460,364	436,090	6,670,672	2,774,218
Lincoln	12,855	16	398	689	376,170	820,570	749,903	70,667	1,612,090	791,520
Mattoon	14,631	30	1,130	3,448	1,358,666	2,728,226	2,584,244	143,982	5,235,801	2,507,575
Maywood	25,829	25	1,374	5,545	1,917,247	12,364,883	12,197,203	167,680	20,100,409	7,735,526
Melrose Park	10,741	11	1,259	9,120	2,270,857	4,208,141	3,888,146	319,995	10,715,013	6,506,872
Moline	32,236	66	5,499	23,619	7,920,899	17,115,833	16,141,546	974,287	44,845,631	27,729,798
Oak Park	63,982	46	432	1,012	959,855	1,023,007	959,033	63,974	3,118,841	2,095,834
Ottawa	15,094	25	1,694	18,146	2,402,081	2,878,120	2,171,420	706,700	7,934,456	5,056,336
Park Ridge	10,417	6	16	101	26,589	60,593	56,916	3,677	128,236	67,643
Pekin	16,129	31	1,304	12,656	1,813,526	18,143,024	17,634,044	508,980	31,994,231	13,851,207
Peoria	104,969	185	6,738	36,401	8,372,091	36,727,152	35,141,594	1,585,558	67,266,317	30,539,165
Quincy	39,241	124	3,156	13,016	3,451,779	8,273,535	7,625,673	[4] 647,862	18,553,172	10,279,637
Rockford	85,864	245	17,526	54,748	24,586,585	37,221,899	34,860,883	2,361,016	96,656,100	59,434,201
Rock Island	37,953	63	5,916	25,274	7,565,525	18,856,112	18,281,514	574,598	39,362,709	20,506,597
Springfield	71,864	101	4,419	9,433	5,510,429	10,478,122	10,173,439	304,683	25,302,825	14,824,703
Sterling	10,012	35	1,465	5,437	1,750,101	4,475,951	4,170,105	305,846	9,733,268	5,257,317
Streator	14,728	35	1,317	4,758	1,601,937	2,324,761	1,569,088	755,673	6,171,776	3,847,015
Urbana	13,060	21	329	1,163	497,394	559,615	526,558	33,057	1,472,136	912,521
Waukegan	33,499	60	3,323	36,333	5,624,467	17,880,871	16,082,640	1,798,231	32,531,510	14,650,639
West Frankfort	14,683	13	47	361	68,049	185,255	169,282	15,983	436,819	251,554
Wilmette	15,233	7	78	272	175,306	185,572	165,003	20,569	634,494	448,922
Winnetka	12,166	4	16	20	41,095	70,211	67,381	2,830	167,334	97,123

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Chicago Industrial Area comprises Cook, Du Page, Kane, Lake, and Will Counties in Illinois, together with Lake County, Ind. For statistics by industries for the area and for Cook and Kane Counties, see Table 13.
[4] The St. Louis Industrial Area comprises Madison and St. Clair Counties in Illinois, together with St. Louis city and St. Louis County, Mo. For statistics by industries for Madison and St. Clair Counties, see Table 13.
[5] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the counties shown separately. In the case of Johnson County, in which fewer than 10 wage earners were employed, statistics are here presented in order that comparison may be made with the corresponding figures for 1927 (published in mimeographed form).
[6] For statistics by industries for this county, see Table 13.
[7] Clay, Fulton, Hardin, Jersey, Lawrence, Marshall, Piatt, Pope, Richland, Scott, and Wayne Counties. (See footnote 5.)
[8] Not including Canton, Mount Vernon, East Moline, and Harrisburg, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Elmwood Park.
[9] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	836,347	657,092	179,255	8,840	8,430	410	[2] 13,839	[2] 13,047	[2] 792	[2] 122,113	[2] 81,719	[2] 40,394	691,555	[3] 553,896	[3] 137,659
1919 [1,4]	804,905	639,101	165,704	15,282	14,609	673	11,024	10,485	539	125,355	86,802	38,553	653,114	527,205	125,909
1914 [4]	617,927	510,833	107,094	15,854	15,180	674	7,980	7,714	266	87,150	66,874	20,276	506,943	421,065	85,878
1909	561,044	465,139	95,905	17,357	16,725	632	6,764	6,548	216	71,159	55,684	15,475	465,764	386,182	79,582

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 1,730; male, 1,688; female, 42. Other salaried officers and employees—total, 27,829; male, 17,658; female, 10,171. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	691,555	*654,929*	669,575	680,093	681,903	685,323	697,124	699,081	712,511	729,779	724,572	698,293	665,477	89.7
1919 [1]	653,114	650,664	643,541	636,041	620,500	*618,701*	628,740	638,982	658,478	681,270	681,015	689,945	689,491	89.7
1914 [1]	506,943	517,634	518,292	521,732	514,505	508,665	512,246	505,982	502,603	504,543	505,635	488,164	*443,275*	92.6
1909 [1]	465,764	*438,594*	442,881	452,563	455,145	454,968	459,375	454,410	460,414	481,796	493,928	496,452	**498,640**	88.0

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	15,333	691,555	45 and over but under 48	1,003	41,392
Not reported	1,505	3,395	48	2,622	196,636
Under 40	246	3,858	Over 48 but under 54	2,654	201,197
40	384	13,612	54	893	28,626
Over 40 but under 44	147	2,755	Over 54 but under 60	744	66,493
44 and over but under 45	4,149	109,932	60 and over	986	23,659

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	15,333	15,593	18,026	691,555	653,114	465,764	51 to 100	949	921	709	68,293	66,033	50,856
							101 to 250	776	718	541	119,846	110,471	82,889
No wage earners	772	2,845	2,518				251 to 500	271	236	194	96,192	81,846	66,781
1 to 5	6,544	8,277	8,801	17,240	18,770	20,079	501 to 1,000	129	144	86	89,551	98,326	57,742
6 to 20	3,913	3,574	3,560	43,757	40,614	40,022	1,001 to 2,500	52	70	39	77,895	177,867	95,905
21 to 50	1,903	1,808	1,578	62,624	59,187	51,490	2,501 and over	24			116,127		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	15,333	18,593	18,026	691,555	653,114	465,764	$6,282,092,240	$5,425,244,694	$1,919,276,594	$2,930,037,761	$1,936,974,248	$758,349,904
Less than $5,000	(2)	3,725	6,181	(2)	1,968	7,000	(2)	9,757,963	15,040,868	(2)	5,979,405	9,864,314
$5,000 to $19,999	4,516	5,360	5,823	10,094	12,639	27,327	52,695,243	68,637,492	59,794,517	32,782,719	32,751,008	36,175,677
$20,000 to $99,999	5,477	5,104	3,773	42,361	49,521	65,907	259,074,728	233,014,448	170,460,943	156,955,504	124,132,828	91,858,229
$20,000 to $49,999	3,383	(2)	(2)	18,389	(2)	(2)	109,460,505	(2)	(2)	67,688,107	(2)	(2)
$50,000 to $99,999	2,094	(2)	(2)	23,972	(2)	(2)	149,614,223	(2)	(2)	89,267,397	(2)	(2)
$100,000 to $499,999	3,519	2,916		120,615	122,637		803,376,484	678,032,686		462,704,871	340,751,214	
$100,000 to $249,999	2,275	(2)		53,994	(2)		362,990,246	(2)		213,614,061	(2)	
$250,000 to $499,999	1,244	(2)	1,976	66,621	(2)	185,743	440,386,238	(2)	595,294,165	249,090,810	(2)	280,112,984
$500,000 to $999,999	811	689		79,280	76,663		570,467,941	488,266,611		300,332,149	234,198,879	
$1,000,000 and over	1,010	799	273	439,205	389,686	179,787	4,596,477,844	3,957,535,494	1,078,746,101	1,977,262,518	1,199,160,914	340,338,700
$1,000,000 to $2,499,999	693	(2)	(2)	114,069	(2)	(2)	918,119,640	(2)	(2)	459,487,224	(2)	(2)
$2,500,000 to $4,999,999	240	(2)	(2)	90,550	(2)	(2)	823,786,748	(2)	(2)	391,586,605	(2)	(2)
$5,000,000 and over	177	(2)	(2)	234,586	(2)	(2)	2,854,571,456	(2)	(2)	1,126,188,689	(2)	(2)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	15,333	18,593	691,555	653,114	$6,282,092,240	$5,425,244,694	$2,930,037,761	$1,936,974,248
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	8,041	6,895	644,427	589,978	5,957,684,508	5,004,523,563	2,756,277,496	1,754,699,526
Other forms of ownership or control (individual, partnership, etc.)	7,292	11,698	47,128	63,136	324,407,732	420,721,131	173,760,265	182,274,722
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	1,623	(1)	337,930	(1)	3,203,282,910	(1)	1,381,749,005	(1)
Independent (single-unit)	13,710	(1)	353,625	(1)	3,078,809,330	(1)	1,548,288,756	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	2,807,001	1,222,555	3,220	675,770	621	429,732	429	105,652	99	11,401	207,973	1,584,446	63,613	851,644
1927	2,456,997	1,205,918	3,373	736,398	660	370,449	473	87,019	177	12,052	161,810	1,251,079	63,253	834,664
1925	2,247,408	1,171,056	3,908	778,972	651	304,454	507	77,758	110	9,872	130,941	1,076,352	59,901	724,385
1919 [1]	1,654,947	1,064,706	4,884	779,156	410	218,182	1,195	55,782	149	11,586	79,263	590,241	43,506	584,326
1914 [1]	1,294,421	1,021,759	[2] 6,142	[2] 947,949	(3)	(3)	1,672	61,500	189	12,310	43,481	272,662	28,613	408,812
Industrial Areas														
Chicago Area, total	2,729,674	1,292,677	1,974	493,594	430	542,442	307	252,647	48	3,994	167,365	1,436,997	49,405	1,116,899
Portion in Illinois (Cook, Du Page, Kane, Lake, and Will Counties)	1,855,925	751,997	1,727	446,242	315	205,589	213	96,172	48	3,994	153,872	1,103,928	38,048	465,863
Portion in Indiana (Lake County)	873,749	540,680	247	47,352	115	336,853	94	156,475	------	------	13,493	333,069	11,357	651,036
St. Louis Area, total	624,756	259,343	784	145,214	204	105,561	86	7,506	43	1,062	44,254	365,413	10,856	212,991
Portion in Illinois (Madison and St. Clair Counties)	289,472	164,251	337	72,734	143	89,736	41	1,781	------	------	9,570	125,221	5,639	153,604
Portion in Missouri (St. Louis city and St. Louis County)	335,284	95,092	447	72,480	61	15,825	45	5,725	43	1,062	34,684	240,192	5,217	59,387
Counties in which aggregate horsepower exceeded 25,000: 1929														
Adams	26,232	5,918	34	5,817	6	90	3	11	------	------	1,753	20,314	53	798
Cook	1,643,668	621,548	1,462	359,652	228	177,482	178	83,839	4	575	144,201	1,022,120	32,257	391,568
Kane	39,724	17,802	57	10,951	7	3,710	8	622	41	2,519	3,418	21,922	1,543	10,929
Lake	56,822	33,354	48	22,252	32	10,718	15	384	------	------	3,488	23,468	1,662	27,542
La Salle	99,888	77,039	85	20,398	32	51,543	3	33	29	5,065	2,011	22,849	4,083	70,057
Macon	39,238	22,183	33	6,608	12	15,575	------	------	------	------	1,801	17,055	1,553	25,772
Madison	179,187	115,314	252	41,227	122	72,761	25	1,326	------	------	4,947	63,873	4,340	99,908
Peoria	62,342	27,284	92	15,893	20	11,215	11	176	------	------	2,614	35,058	649	11,240
Rock Island	61,996	10,650	39	7,822	8	2,584	3	244	------	------	5,479	51,346	1,188	11,009
St. Clair	110,285	48,937	85	31,507	21	16,975	16	455	------	------	4,623	61,348	1,299	53,696
Tazewell	31,876	11,963	20	4,024	3	7,870	6	69	------	------	3,046	19,913	728	13,342
Will	111,586	78,090	147	52,187	48	13,679	11	11,324	3	900	2,313	33,496	2,327	34,693
Winnebago	64,750	22,440	63	14,147	10	6,636	7	425	16	1,232	7,402	42,310	3,311	18,091

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not tabulated separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	2,807,001	1,222,555	1,584,446	851,644
Adams	26,232	5,918	20,314	798
Alexander	8,488	4,065	4,423	2,200
Bond	1,154	705	449	369
Boone	2,700	2,075	625	1,612
Brown	11	2	9	----------
Bureau	8,352	4,549	3,803	3,752
Calhoun	11	[2] 11	(3)	----------
Carroll	1,183	428	755	155
Cass	732	90	642	----------
Champaign	6,468	2,738	3,730	472
Christian	2,864	984	1,880	(3)
Clark	198	----------	198	----------
Clinton	2,748	1,939	809	164
Coles	4,285	1,727	2,558	1,057
Cook	1,643,668	621,548	1,022,120	391,568
Crawford	5,276	3,662	1,614	2,663
Cumberland	61	----------	61	----------
De Kalb	8,654	3,985	4,669	1,274
De Witt	1,527	200	1,327	55
Douglas	814	505	309	----------
Du Page	4,125	1,203	2,922	1,131
Edgar	1,599	651	948	152
Edwards	805	374	431	----------
Effingham	2,202	542	1,660	65
Fayette	1,471	330	1,141	----------
Ford	984	110	874	----------
Franklin	1,078	250	828	----------
Gallatin	171	135	36	----------
Greene	2,091	75	1,926	----------
Grundy	3,428	2,560	868	2,145
Hamilton	439	322	117	----------
Hancock	521	62	459	40
Henderson	79	60	19	----------
Henry	7,603	4,933	2,670	5,865
Iroquois	1,640	366	1,274	----------
Jackson	3,696	1,095	2,601	579
Jasper	334	220	114	----------
Jefferson	6,189	3,914	2,275	6,960
Jo Daviess	1,595	947	648	291
Johnson	62	18	44	----------
Kane	39,724	17,802	21,922	10,929
Kankakee	10,801	4,752	6,049	2,415
Kendall	495	----------	495	----------
Knox	12,319	1,078	11,241	676
Lake	56,822	33,354	23,468	27,542
La Salle	99,888	77,039	22,849	70,057
Lee	18,603	13,805	4,798	11,285
Livingston	1,913	435	1,478	----------
Logan	729	143	586	----------
McDonough	4,088	1,885	2,203	64
McHenry	4,674	1,824	2,850	1,639
McLean	12,505	3,375	9,130	----------
Macon	39,238	22,183	17,055	25,772
Macoupin	1,257	793	464	80
Madison	179,187	115,314	63,873	99,908
Marion	4,400	2,335	2,065	2,298
Mason	1,543	300	1,243	----------
Massac	1,866	1,223	643	375
Menard	262	140	122	----------
Mercer	524	243	281	22
Monroe	803	377	426	----------
Montgomery	6,013	2,640	3,373	1,309
Morgan	2,712	853	1,859	----------
Moultrie	117	----------	117	----------
Ogle	4,867	1,615	3,252	954
Peoria	62,342	27,284	35,058	11,240
Perry	1,640	640	1,000	----------
Pike	759	527	232	36
Pulaski	1,944	1,273	671	85
Putnam	179	75	104	----------
Randolph	3,687	2,638	1,049	716
Rock Island	61,966	10,650	51,346	11,009
St. Clair	110,285	48,937	61,348	53,696
Saline	1,106	427	679	----------
Sangamon	14,685	1,447	13,238	----------
Schuyler	263	165	98	----------
Shelby	660	403	257	30
Stark	382	185	197	----------
Stephenson	10,714	5,072	5,642	2,550
Tazewell	31,876	11,963	19,913	13,342
Union	1,605	534	1,071	----------
Vermilion	17,473	6,791	10,682	5,180
Wabash	4,124	3,398	726	1,272
Warren	1,034	565	469	124
Washington	564	385	179	12
White	832	430	402	----------
Whiteside	10,836	7,605	3,231	5,711
Will	111,586	78,090	33,496	34,693
Williamson	1,172	480	692	535
Winnebago	64,750	22,440	42,310	18,091
Woodford	1,598	1,065	533	35
All other counties	18,111	12,280	5,831	[3] 14,595

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] The item for electric motors is included in that for prime movers to avoid disclosing data for a single establishment.
[3] The item for Christian County is included in that for "All other counties" to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume 1, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	20,315,068	$70,953,505	18,053,799	19,122,421	16,769,792	14,745,250	14,242,234
Anthracite (tons, 2,240 pounds)	353,536	1,803,083	(3)	214,506	238,451	219,614	155,482
Bituminous (tons, 2,000 pounds)	19,919,108	69,150,422	(3)	18,882,174	16,502,727	14,499,282	14,068,094
Coke (tons, 2,000 pounds)	5,018,738	27,583,690	(4)	(4)	3,903,043	2,689,250	3,982,844
Fuel oils, including crude oils and gas oils (gallons) [5]	468,362,543	15,835,739	(4)	(4)	204,813,042	172,677,372	118,915,776
Gasoline and kerosene (gallons) [5]	3,621,010	459,104	(4)	(4)	4,798,710		
Gas, natural (M cubic feet)	472,866	181,845	(4)	(4)	3,557,698	1,831,684	12,645,341
Gas, manufactured (M cubic feet)	55,061,887	14,858,343	(4)	(4)			
Other fuels		1,059,806	(4)	(4)	(4)	(4)	(4)
Electric energy purchased (kilowatt-hours)	2,120,376,599	32,993,252	(6)	(4)	(4)	(4)	(4)
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 163,925,284	$154,373,036	(6)	$125,889,392	$51,427,596	$48,194,400

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

Table 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table gives separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	15,333 [3]	135,952	691,555	1,222,555	1,584,446	368,721,898	1,024,870,235	3,198,957,624	153,096,855	6,282,092,240	2,930,037,761
Agricultural implements	42	2,578	22,748	31,594	36,081	5,484,866	33,746,527	61,113,509	2,692,532	143,678,378	79,872,337
Aircraft and parts	7	48	194	50	410	134,717	285,643	618,156	16,507	1,129,920	495,257
Aluminum manufactures	15	106	812	----------	2,552	371,306	1,294,176	2,672,656	104,519	6,097,433	3,320,278
Artificial and preserved flowers and plants	26	107	487	----------	140	338,436	497,298	1,218,939	14,041	2,826,058	1,593,078
Asbestos products, other than steam packing or pipe and boiler covering	7	89	980	300	1,150	269,958	1,365,806	3,819,019	431,804	8,025,390	3,774,567
Awnings, tents, sails, and canvas covers	63	142	583	----------	276	378,712	784,674	2,277,230	25,220	4,228,007	1,925,557
Bags, other than paper, not made in textile mills	17	55	484	----------	584	189,238	425,400	4,719,758	23,019	5,759,903	1,017,126
Bags, paper, exclusive of those made in paper mills	5	67	405	----------	738	152,599	513,249	2,287,813	34,369	3,476,530	1,154,348
Baking powders, yeast, and other leavening compounds	10	287	1,135	7,161	5,528	1,110,986	1,978,344	9,183,956	418,895	24,902,842	15,299,991
Baskets and rattan and willow ware, not including furniture	13	20	126	170	118	28,789	116,562	200,935	6,110	450,650	243,605
Belting, leather	12	106	379	200	507	286,030	498,353	1,801,570	20,745	3,778,501	1,956,186
Beverages	267	552	1,742	3,396	4,656	1,487,240	2,668,437	6,723,914	379,964	19,160,999	12,057,121
Billiard and pool tables, bowling alleys, and accessories	3	7	21	----------	19	15,687	22,710	29,037	1,577	99,698	69,084
Blacking, stains, and dressings	15	43	46	----------	52	114,295	67,294	295,492	6,108	833,816	532,216
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	16	199	1,457	1,300	2,227	658,420	1,866,424	4,248,673	183,186	10,605,959	6,174,100
Bookbinding and blank-book making	120	557	3,193	----------	2,869	1,617,690	4,117,641	3,895,537	125,194	13,663,477	9,642,746
Boot and shoe cut stock, not made in boot and shoe factories	5	43	283	325	165	146,298	277,315	3,229,700	17,467	3,979,496	732,329
Boots and shoes, other than rubber	65	1,661	14,725	5,633	5,760	3,144,466	13,433,889	39,045,362	300,265	73,775,876	34,430,249
Boxes, cigar, wooden	5	10	90	----------	115	35,508	82,243	89,297	4,348	280,914	187,269
Boxes, paper, not elsewhere classified	108	874	5,382	2,473	4,861	2,600,876	6,080,344	17,244,621	279,697	31,885,633	14,361,315
Boxes, wooden, except cigar boxes	49	203	2,175	4,040	5,432	579,364	2,419,112	5,351,667	125,696	10,238,875	4,761,512
Bread and other bakery products	2,208	2,032	16,929	4,044	22,563	4,573,865	25,924,879	63,638,879	2,446,060	138,591,365	72,506,426
Brooms	32	34	389	155	319	81,262	407,444	1,018,968	12,170	1,955,640	924,502
Brushes, other than rubber	26	63	280	125	367	212,450	373,009	866,838	19,399	1,904,551	1,018,314
Butter	113	353	829	1,500	5,969	733,292	1,068,583	27,746,603	259,327	33,384,457	5,378,527
Buttons	14	15	312	60	125	19,429	261,664	174,171	6,652	472,406	291,583
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	7	11	34	----------	9	38,847	69,332	707,669	8,272	903,917	187,976
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	114	755	4,475	6,201	8,330	1,657,757	4,245,317	24,912,363	394,651	41,890,685	16,583,671
Car and general construction and repairs, electric-railroad repair shops	26	286	3,181	----------	7,852	584,926	5,656,763	3,978,578	130,321	10,351,416	6,242,517
Car and general construction and repairs, steam-railroad repair shops	146	2,336	31,217	34,865	56,112	6,239,560	50,909,538	39,278,437	3,127,566	99,622,310	57,216,307
Carbon paper and inked ribbons	9	76	141	----------	334	154,586	156,262	815,066	10,845	1,805,703	979,794
Carriages and sleds, children's	6	46	269	----------	294	150,145	323,222	761,391	15,061	1,386,296	609,844
Carriages, wagons, sleighs, and sleds	7	140	696	3,051	2,818	298,758	868,835	2,288,424	82,626	4,107,978	1,736,928
Cars, electric and steam railroad, not built in railroad repair shops	25	1,471	9,991	35,262	14,194	3,361,422	16,226,157	56,881,788	968,332	82,479,979	24,629,859
Cash registers, and adding, calculating, and card-tabulating machines	6	330	1,051	280	900	764,128	1,540,090	730,152	77,903	9,096,631	8,288,576
Caskets, coffins, burial cases, and other mortician' goods	29	213	1,385	685	1,797	654,967	2,175,984	4,193,376	100,419	9,729,604	5,435,809
Cereal preparations	11	62	234	290	949	158,490	313,362	2,584,533	81,877	4,245,130	1,578,720
Cheese	77	27	137	466	628	49,806	195,808	2,580,656	42,588	3,194,381	571,137
Chemicals, not elsewhere classified	36	823	3,626	43,822	13,489	1,685,793	5,714,261	29,199,314	2,603,447	60,395,800	28,593,039
China firing and decorating, not done in potteries	7	37	142	----------	3	76,163	194,792	297,609	13,216	725,360	414,535
Chocolate and cocoa products, not including confectionery	3	3	77	900	1,224	6,807	111,615	2,261,236	50,798	4,980,627	2,668,593
Cigars and cigarettes	137	104	868	----------	43	210,184	927,128	1,269,500	8,840	3,273,600	1,995,260
Clay products (other than pottery) and nonclay refractories	101	732	6,506	25,958	29,420	2,178,243	9,346,829	2,089,305	3,813,632	23,684,673	17,781,736
Cleaning and polishing preparations	55	205	316	10	795	671,979	412,471	2,589,892	35,759	7,496,774	4,871,123
Clocks, clock movements, time-recording devices, and time stamps	9	485	3,015	3,401	498	1,314,826	3,289,841	2,923,062	80,356	13,323,491	10,320,073
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	319	3,254	20,304	1,335	5,545	8,257,034	28,678,113	48,611,360	453,684	118,475,388	69,410,344
Clothing, women's, not elsewhere classified	402	1,414	13,802	----------	2,259	4,349,017	14,924,007	39,880,897	287,617	75,649,695	35,481,181
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	35	98	1,795	----------	415	196,512	1,242,622	3,728,496	35,958	6,572,716	2,808,262
Coffee and spice, roasting and grinding	50	470	911	1,350	3,535	1,281,795	1,217,411	39,771,277	240,340	48,721,155	8,709,538
Coke, not including gas-house coke	6	277	1,723	19,368	15,528	844,727	2,696,042	841,861	21,516,779	34,305,080	11,946,440
Compressed and liquefied gases	17	151	213	1,259	6,165	294,793	364,060	542,026	254,698	3,768,813	2,972,089
Concrete products	174	268	1,108	502	4,015	688,323	1,714,124	2,121,489	132,419	7,140,705	4,886,797
Condensed and evaporated milk	33	86	455	3,690	1,402	190,286	585,081	10,211,004	239,434	13,293,796	2,843,358
Confectionery	156	1,558	11,242	3,641	12,986	4,609,398	11,429,426	54,905,321	778,457	91,116,763	35,432,985
Cooperage	32	112	1,135	2,760	903	420,974	1,518,487	5,490,423	90,315	8,467,839	2,887,101
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	256	749	3,297	221	5,996	2,265,638	5,537,547	9,586,405	183,138	23,702,526	13,932,983
Corn sirup, corn sugar, corn oil, and starch	4	806	3,265	49,063	180	2,080,420	5,093,178	55,185,183	1,723,163	94,773,487	37,865,141
Corsets and allied garments	21	281	1,572	50	408	801,900	1,635,207	5,085,255	32,077	11,428,777	6,311,445
Cotton goods	12	90	1,237	2,758	1,821	397,336	1,197,316	3,176,945	105,834	6,696,178	2,313,399
Cutlery (not including silver and plated cutlery) and edge tools	19	84	449	----------	1,308	225,897	766,433	449,367	43,911	2,200,745	1,707,467
Dairymen's supplies; creamery, cheese-factory, and hutter-factory equipment; and poultrymen's and apiarists' supplies	19	195	980	30	2,167	591,166	1,099,795	2,379,713	80,644	6,218,918	3,758,561
Dental goods and equipment	10	33	138	----------	160	104,180	158,898	1,456,069	7,454	2,008,504	544,981

See footnotes at end of table, p. 149.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Doors, shutters, and window sash and frames, metal	13	90	406	100	857	386,274	744,417	1,069,994	24,639	2,717,325	1,622,692
Druggists' preparations	36	491	547	3	3,660	1,326,786	674,216	2,128,471	56,981	7,601,209	5,415,847
Dyeing and finishing textiles	21	316	1,638	5,545	1,010	850,660	2,026,986	9,082,658	233,186	17,137,218	7,821,374
Electrical machinery, apparatus, and supplies	245	15,635	57,347	59,075	36,664	35,080,541	95,440,817	163,161,014	2,564,201	435,021,917	269,256,702
Electroplating	83	167	1,161		4,639	486,721	1,970,098	1,325,461	180,881	5,615,393	4,109,051
Embroideries	43	70	570		169	179,402	659,447	576,767	15,057	1,897,117	1,305,293
Emery wheels and other abrasive and polishing appliances	8	46	139		222	241,927	227,099	858,787	16,730	1,700,866	825,349
Engines, turbines, tractors, and water wheels	16	2,100	13,419	2,240	49,817	4,466,274	20,838,442	51,196,467	1,694,531	112,622,154	59,731,156
Engravers' materials	4	17	75		396	100,851	131,490	585,828	13,370	1,041,483	442,285
Engraving (other than steel, copperplato, or wood), chasing, etching, and diesinking	24	130	630		871	533,675	900,331	734,802	36,087	3,386,017	2,615,128
Engraving, steel and copperplate, and plate printing	50	235	1,105	208	913	864,088	1,546,607	1,445,975	46,320	6,110,197	4,617,902
Engraving, wood	8	11	72		10	39,196	208,934	39,303	1,734	405,537	364,500
Envelopes	20	241	1,123	229	1,573	750,364	1,465,328	2,720,462	57,941	7,116,213	4,337,810
Explosives	9	62	384	1,254	1,900	164,140	499,675	1,817,947	122,151	4,116,612	2,176,514
Fancy and miscellaneous articles, not elsewhere classified	90	287	1,604		739	738,716	1,688,263	3,676,355	50,352	8,216,494	4,489,787
Feeds, prepared, for animals and fowls	41	459	1,270	2,232	22,966	1,239,949	1,894,213	48,501,553	371,642	58,968,467	10,005,272
Fertilizers	12	120	454	342	5,408	281,305	536,990	4,943,628	122,010	8,101,734	3,036,096
Fireworks	3	6	92		49	11,136	107,895	116,025	3,953	435,719	315,741
Flags and banners	6	20	97		32	64,317	77,180	193,009	2,324	440,143	244,810
Flavoring extracts and flavoring sirups	78	398	849	2,400	3,566	1,474,099	1,271,761	11,949,718	220,465	27,346,826	15,176,643
Flour and other grain-mill products	81	318	1,144	14,921	9,002	817,196	1,621,914	37,065,904	459,877	44,282,154	6,756,373
Food preparations, not elsewhere classified	66	338	1,350	970	3,207	977,648	1,621,624	14,931,253	214,026	23,213,627	8,068,348
Forgings, iron and steel, not made in plants operated in connection with rolling mills	24	433	3,526	4,460	23,677	1,415,792	6,499,003	13,665,461	1,435,160	33,417,940	18,317,319
Foundry and machine-shop products, not elsewhere classified	759	10,025	45,064	22,032	113,964	30,418,372	73,200,939	109,546,684	5,655,335	317,485,569	202,283,550
Foundry supplies	13	50	164		2,259	162,008	248,833	1,305,279	82,539	2,528,719	1,140,601
Fur goods	234	296	954		406	988,322	2,065,594	7,789,438	54,489	14,070,620	6,226,693
Furnishing goods, men's, not elsewhere classified	36	244	2,039	280	469	606,231	1,411,950	4,905,407	42,021	8,242,251	3,294,823
Furniture, including store and office fixtures	375	2,639	23,767	17,598	33,132	8,469,643	32,453,867	57,331,575	1,449,451	130,535,112	71,754,086
Galvanizing and other coating, not done in plants operated in connection with rolling mills	11	41	150		288	148,224	223,877	452,752	38,243	1,072,607	581,612
Gas and electric fixtures; lamps, lanterns, and reflectors	82	1,144	4,592	562	6,569	3,242,771	6,492,183	10,727,872	425,645	30,325,851	19,172,334
Gas machines, gas meters, and water and other liquid meters	8	45	194		232	259,028	325,562	523,614	15,442	1,768,125	1,229,069
Gas, manufactured, illuminating and heating	46	3,007	2,944	42,701	25,489	5,802,490	4,697,771	9,940,647	10,355,712	57,309,312	37,012,953
Glass	13	359	4,658	21,997	8,343	854,342	6,290,708	5,321,949	2,319,293	22,938,092	15,296,814
Glass products (except mirrors) made from purchased glass	33	69	257		178	184,271	375,600	534,510	14,192	1,391,175	842,473
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics	10	64	1,330	245	208	125,579	863,033	2,700,967	25,653	4,673,786	1,947,136
Gloves and mittens, leather	16	59	548		120	145,530	570,506	1,160,573	13,901	2,197,003	1,022,529
Glue and gelatin	17	129	609	5,480	1,273	317,666	846,395	2,963,679	309,619	6,632,134	3,358,836
Gold leaf and foil	7	6	129		23	16,264	152,373	118,381	1,782	326,655	206,492
Grease and tallow, not including lubricating greases	19	113	822	4,377	1,751	361,355	1,257,549	8,540,435	284,174	13,044,859	4,220,250
Hair work	6	6	18		1	16,543	17,663	32,674	269	92,716	59,773
Hand stamps and stencils and brands	36	147	456	30	359	399,594	623,885	635,785	28,130	2,394,271	1,730,356
Hardware not elsewhere classified	84	948	5,141	3,308	8,871	2,535,859	6,870,204	8,998,352	347,494	27,072,415	17,726,569
Hat and cap materials, men's	5	9	55		8	16,099	62,853	105,188	773	191,976	86,015
Hats and caps, except felt and straw, men's	48	90	570		131	362,483	735,196	1,527,219	17,148	3,545,418	2,001,051
House-furnishing goods, not elsewhere classified	109	339	1,744	190	1,982	1,129,424	1,905,481	6,269,599	70,148	11,757,929	5,418,182
Ice cream	186	565	1,491	307	15,872	1,630,501	2,773,327	11,889,122	597,376	28,227,975	15,741,477
Ice, manufactured	215	426	1,879	10,874	70,759	1,178,259	3,332,097	545,825	2,103,394	14,820,113	12,170,894
Ink, printing	30	134	328	33	2,979	582,340	437,759	2,941,562	91,768	6,305,207	3,271,877
Instruments, professional and scientific	39	762	3,982		6,855	1,927,228	5,985,176	4,819,097	208,166	18,331,606	13,304,343
Iron and steel: Blast furnaces	6	355	2,547			921,249	4,224,127	40,401,502	23,156,440	82,566,913	19,008,971
Iron and steel: Steel works and rolling mills	36	3,771	30,416	347,356	184,712	10,840,015	55,339,031	127,888,721	16,772,481	268,077,085	123,415,883
Iron and steel, processed	6	27	90		202	72,166	153,290	150,289	53,524	623,694	419,881
Jewelry	78	316	1,155		612	856,363	1,952,010	3,258,165	39,305	8,446,220	5,148,750
Jewelry and instrument cases	6	24	194		101	106,217	220,524	294,088	7,821	741,241	439,332
Knit goods	47	399	4,137	1,982	2,201	1,057,042	3,836,514	8,481,863	200,557	16,948,041	8,265,621
Labels and tags	15	106	354	43	525	283,201	442,005	901,249	24,385	2,512,656	1,587,022
Leather goods, not elsewhere classified	37	92	539		323	286,905	619,629	1,764,497	17,605	3,579,585	1,797,483
Leather: Tanned, curried, and finished	26	289	3,661	7,890	12,503	1,177,663	4,946,169	23,885,629	494,085	37,478,835	13,099,121
Lime	9	21	223	115	2,894	55,304	305,459	295,456	240,624	1,265,603	728,923
Lithographing	47	570	2,501	1	3,769	2,130,863	4,314,234	4,461,043	138,902	16,239,192	11,639,247
Lubricating oils and greases, not made in petroleum refineries	16	99	121	110	494	254,992	190,734	4,482,503	37,414	6,617,018	2,097,101
Lumber and timber products, not elsewhere classified	52	103	1,280	4,285	2,089	344,708	1,233,476	2,765,738	62,306	5,799,736	2,971,692
Macaroni, spaghetti, vermicelli, and noodles	30	94	688	1,213	2,348	288,521	717,517	3,854,152	133,724	6,403,120	2,415,244
Machine-tool accessories and small metal-working tools, not elsewhere classified	88	434	2,234	24	3,927	1,418,257	4,094,277	2,239,238	174,566	12,283,823	9,870,019
Machine tools	30	769	3,653	970	11,346	2,422,379	5,925,514	5,647,554	301,452	22,639,928	16,690,922
Malt	4	24	125	3,000	844	94,364	248,960	2,792,619	154,183	3,868,244	921,442
Marble, granite, slate, and other stone products	110	288	1,189	157	11,139	1,146,528	2,519,466	2,935,953	199,840	8,905,745	5,769,952
Mattresses and bed springs, not elsewhere classified	54	159	1,487	350	2,603	537,198	1,882,332	5,493,506	97,915	10,329,810	4,738,389
Meat packing, wholesale	79	3,341	29,618	64,298	66,442	8,564,522	40,382,248	660,141,105	4,377,183	760,872,847	96,354,559
Millinery	110	491	3,598	775	797	1,542,630	4,588,851	10,170,127	90,680	19,947,859	9,687,052
Minerals and earths, ground or otherwise treated	6	20	71	165	2,238	76,881	111,926	211,350	68,942	699,948	419,656
Mirror and picture frames	39	264	2,098	500	3,861	1,016,745	2,642,506	2,595,532	104,427	8,179,742	5,479,783

See footnotes at end of table, p. 149.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Mirrors, framed and unframed	24	101	492	150	482	279,738	898,039	1,227,007	36,061	2,944,958	1,681,890
Models and patterns, not including paper patterns	86	90	599	----------	1,167	274,085	1,169,428	433,348	31,858	2,700,587	2,235,381
Motion pictures, not including projection in theaters	8	120	82	----------	106	374,980	216,145	462,479	10,262	1,154,148	681,407
Motor-vehicle bodies and motor-vehicle parts	98	779	5,273	332	19,666	2,297,170	8,403,054	14,716,670	577,911	35,340,749	20,046,168
Motor vehicles, not including motor cycles	19	574	3,234	4,025	2,423	1,671,296	5,028,684	42,158,997	191,003	62,405,791	20,055,791
Mucilage, paste, and other adhesives, except glue and rubber cement	10	51	83	----------	263	159,152	102,957	785,281	19,003	1,337,515	533,231
Musical-instrument parts and materials: Piano and organ	12	89	638	765	523	302,172	815,365	1,054,892	68,808	2,956,459	1,832,759
Musical instruments and parts and materials, not elsewhere classified	20	128	596	----------	1,479	363,640	924,577	1,043,336	49,773	3,078,813	1,985,704
Musical instruments: Organs	8	21	201	----------	526	51,871	246,632	222,553	8,490	709,601	478,558
Musical instruments: Pianos	17	243	2,780	4,525	1,560	757,114	3,838,016	5,373,871	197,590	12,460,131	6,888,670
Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills	6	25	54	70	213	70,362	84,485	237,446	8,354	530,988	285,188
Nonferrous-metal alloys and products, not including aluminum products	115	898	5,406	1,695	20,429	2,443,105	8,592,591	44,353,173	1,220,745	68,716,404	23,142,486
Oil, cake, and meal, cottonseed	4	18	101	1,150	621	32,400	74,066	2,271,116	27,510	2,516,551	217,955
Oil, cake, and meal, linseed	5	31	223	1,075	2,487	64,243	355,444	6,761,506	95,293	8,730,426	1,873,327
Oils, not elsewhere classified	5	22	54	65	278	52,319	67,093	676,310	20,269	1,064,488	367,709
Oleomargarine, not made in meat-packing establishments	6	250	598	610	1,196	613,083	977,387	13,037,068	134,788	19,636,149	6,464,293
Optical goods	8	28	67	----------	42	75,457	103,816	198,355	3,976	591,263	388,432
Paints and varnishes	110	1,510	4,199	6,752	22,987	4,553,086	5,974,418	55,678,343	1,313,551	90,399,091	33,406,997
Paper	29	354	3,675	48,885	9,419	1,118,686	5,266,787	17,868,329	2,108,891	34,438,372	14,461,152
Paper goods, not elsewhere classified	30	393	1,475	150	3,554	1,293,965	2,158,958	8,743,678	149,508	18,232,378	9,338,892
Patent or proprietary medicines and compounds	134	1,233	1,832	2,473	4,894	3,014,780	2,058,308	13,949,760	241,432	42,902,449	28,711,257
Paving materials: Asphalt, tar, crushed slag, and mixtures	10	80	196	710	1,445	168,022	293,773	807,549	91,969	2,618,247	1,718,729
Pens, fountain and stylographic; pen points, gold, steel, and brass	5	30	248	----------	164	68,353	340,536	715,990	9,149	1,428,601	703,462
Perfumes, cosmetics, and other toilet preparations	94	628	1,051	----------	997	1,725,400	1,016,146	4,332,254	44,716	15,398,746	11,021,776
Petrolenm refining	12	740	4,068	26,673	12,873	1,713,968	6,429,625	78,274,281	1,172,413	104,130,272	24,683,578
Phonographs	11	54	299	----------	439	201,254	437,345	1,298,842	17,822	3,420,115	2,103,451
Photo-engraving, not done in printing establishments	57	771	2,173	----------	1,784	2,633,959	5,706,438	2,273,771	144,718	14,539,928	12,121,439
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	279	1,306	6,179	13,145	24,245	4,168,473	10,439,051	19,300,849	512,202	41,009,959	21,196,908
Plated ware	5	32	134	----------	367	65,455	184,326	148,285	11,660	685,231	525,346
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	29	523	3,574	1,915	6,502	1,550,643	4,638,549	4,719,202	360,204	15,911,126	10,831,720
Pocketbooks, purses, and cardcases	10	61	264	----------	29	129,073	367,298	748,994	2,934	1,552,203	800,275
Pottery, including porcelain ware	19	114	1,447	1,028	2,276	335,347	1,733,473	773,578	439,819	5,937,793	4,724,096
Poultry killing, dressing, and packing, wholesale	40	109	742	98	1,031	208,336	656,914	9,864,016	56,929	12,074,189	2,153,244
Printing and publishing, book and job	1,251	7,693	26,331	2,035	35,631	22,283,753	46,044,755	41,046,445	1,574,731	176,222,985	133,601,809
Printing and publishing, music	25	127	94	----------	99	330,922	161,515	220,513	5,895	1,509,808	1,283,400
Printing and publishing, newspaper and periodical	944	13,626	11,660	2,803	30,205	35,036,512	25,079,074	40,383,679	907,139	178,015,526	136,724,708
Printing materials, not including type or ink	13	109	471	----------	1,116	340,056	783,974	929,858	43,234	3,512,302	2,539,210
Pumps (hand and power) and pumping equipment	28	517	1,829	285	10,259	1,219,349	2,385,918	4,949,409	133,463	12,188,854	7,105,982
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	12	82	423	560	622	224,691	696,731	1,188,488	34,310	2,940,150	1,717,352
Regalia, badges, and emblems	9	42	99	----------	89	84,366	132,751	206,218	5,022	533,274	322,034
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint	21	417	2,162	5,297	9,156	1,096,980	3,306,696	21,682,852	745,252	35,344,906	12,716,802
Rubber goods other than tires, inner tubes, and boots and shoes	23	184	1,496	180	12,606	581,109	1,956,824	3,156,479	311,400	8,555,337	5,087,458
Saddlery and harness	19	46	303	125	271	113,267	434,437	1,483,022	12,131	2,447,768	952,615
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	68	203	1,136	280	3,238	744,839	1,600,417	14,093,857	157,346	19,352,491	5,101,288
Scales and balances	13	127	569	240	557	357,007	803,626	1,172,474	41,170	3,590,834	2,377,190
Screw-machine products and wood screws	44	406	2,707	875	5,257	1,426,035	4,010,989	6,027,309	241,903	16,866,667	10,597,455
Sewing machines and attachments	4	328	1,444	1,225	1,474	847,667	1,855,237	2,958,401	92,724	8,783,941	5,732,816
Ship and boat building, steel and wooden, including repair work	12	27	302	1,202	2,634	62,284	503,069	378,345	27,104	1,284,995	879,546
Shirts	22	64	1,118	----------	224	190,738	744,068	1,260,761	20,951	2,567,558	1,285,846
Signs and advertising novelties	149	995	3,321	625	2,723	2,903,085	5,006,250	6,417,014	201,636	22,228,903	15,610,253
Silversmithing and silverware	4	2	16	----------	16	(4)	32,622	38,639	1,081	95,278	55,538
Smelting and refining metals other than gold, silver, or platinum, not from the ore	25	199	1,153	335	2,579	1,026,147	1,641,041	29,190,122	381,392	37,205,967	7,634,453
Smelting and refining, zinc	8	321	3,098	11,150	18,262	904,771	4,308,589	10,986,648	1,895,727	21,854,222	8,971,847
Soap	32	502	1,513	316	5,261	1,268,441	1,953,913	17,549,484	422,695	28,243,426	10,271,247
Soda-water apparatus	8	226	1,053	450	2,078	575,430	1,979,770	4,118,948	106,657	11,000,991	6,775,386
Sporting and athletic goods, not including firearms or ammunition	34	203	1,477	80	2,055	642,582	2,253,531	4,292,039	87,985	9,224,077	4,844,053
Springs, steel, except wire, not made in plants operated in connection with rolling mills	11	84	369	830	956	282,294	555,849	1,220,768	95,943	2,812,937	1,496,226
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	84	679	4,760	713	9,896	2,504,160	6,252,915	11,141,756	553,129	28,396,852	16,671,967
Stationery goods, not elsewhere classified	31	367	1,636	600	1,316	1,330,824	2,127,205	4,570,425	108,413	13,831,516	9,152,678
Statuary and art goods, factory product	21	105	417	150	202	344,212	831,223	362,481	20,525	2,068,741	1,685,735

See footnotes at end of table, p. 149.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	22	325	1,200	60	1,601	989,387	1,447,187	3,396,713	74,674	7,466,498	3,995,111
Steam fittings and steam and hot-water heating apparatus	31	1,468	10,331	10,163	31,698	3,955,176	17,318,440	18,778,834	1,695,322	65,498,354	45,124,198
Stereotyping and electrotyping, not done in printing establishments	33	233	924		3,368	846,332	2,415,155	684,758	107,325	5,696,862	4,904,779
Stoves and ranges (other than electric) and warm-air furnaces	79	1,300	6,734	2,700	12,133	3,948,351	9,710,041	14,063,658	760,081	41,560,190	26,736,451
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	137	1,129	4,843	3,372	27,682	3,475,921	8,167,970	21,248,210	504,243	44,356,927	22,604,474
Surgical and orthopedic appliances, including artificial limbs	32	349	1,199	425	1,401	1,083,338	1,528,633	3,870,196	59,956	10,126,295	6,196,143
Theatrical scenery and stage equipment	5	15	43		31	44,119	88,746	249,734	3,161	659,286	406,391
Tin cans and other tinware, not elsewhere classified	32	758	6,085	1,210	16,635	1,733,777	7,968,814	41,875,830	628,313	65,091,674	22,587,531
Tools, not including edge tools, machine tools, files, or saws	65	271	1,354	36	4,041	989,842	1,865,554	2,190,783	200,209	7,817,159	5,426,167
Toys (not including children's wheel goods or sleds), games, and playground equipment	31	295	1,699	750	1,492	716,869	1,825,526	2,238,256	80,636	7,231,068	4,912,176
Trimmings (not made in textile mills) and stamped art goods for embroidering	33	112	717		144	414,810	811,132	2,213,785	15,533	4,410,333	2,181,015
Trunks, suitcases, and bags	47	188	1,132	150	569	557,637	1,574,521	3,665,965	35,180	6,861,687	3,160,542
Type founding	6	2	17		19	(4)	17,841	29,956	688	82,414	51,770
Typewriters and parts	3	61	604	435	102	145,242	824,697	583,358	18,645	1,982,774	1,380,771
Umbrellas, parasols, and canes	4	6	47		6	13,251	51,488	259,804	1,000	373,359	112,555
Vinegar and cider	8	15	28	288	278	34,355	28,675	318,634	6,929	476,436	150,873
Wall paper	13	125	1,186	2,393	2,265	452,189	1,472,208	4,475,444	160,454	9,327,899	4,692,001
Well plaster, wall board, insulating board, and floor composition	22	92	177	790	1,577	258,385	301,696	766,505	54,187	2,097,111	1,276,419
Washing machines, wringers, driers, and ironing machines, for household use	12	548	1,725		4,092	1,614,406	2,379,093	9,597,007	131,607	19,310,486	9,581,872
Waste	10	42	278	125	926	247,701	314,554	2,069,365	48,986	3,095,858	977,507
Window and door screens and weather strip	40	110	318	150	710	335,383	482,107	1,600,146	21,010	3,493,383	1,872,227
Window shades and fixtures	88	116	459		304	350,018	689,084	1,723,808	24,859	3,888,254	2,139,587
Wire, drawn from purchased bars or rods	11	490	3,822	11,268	22,614	1,229,109	5,896,932	45,430,324	1,141,594	63,882,641	17,310,723
Wirework, not elsewhere classified	56	365	1,989	481	4,425	1,160,612	2,595,542	6,635,746	171,114	14,344,480	7,537,620
Wood preserving	11	84	1,130	1,842	1,616	227,650	1,088,663	14,344,159	155,754	17,302,714	2,802,801
Wood turned and sheped and other wooden goods, not elsewhere classified	48	160	1,046	1,530	1,902	457,132	1,284,924	1,549,200	61,635	4,458,849	2,848,014
Woolen goods	3	33	340	1,018	425	130,281	361,442	855,281	39,601	1,561,928	667,046
Other industries	224	4,092	27,091	75,751	39,221	11,239,359	34,416,248	132,608,434	4,103,638	262,860,887	126,148,815

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 29,559 employees of central administrative offices, with salaries aggregating $87,198,428. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each industrial area (See GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
CHICAGO INDUSTRIAL AREA											
[This area comprises Cook, Lake, Kane, Du Page, and Will Counties in Illinois and Lake County in Indiana. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnotes, 1, 2, and 4), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	11,774	113,040	550,903	1,292,677	1,436,997	*Dollars* 317,180,327	*Dollars* 869,218,189	*Dollars* 2,814,605,897	*Dollars* 195,234,986	*Dollars* 5,558,331,242	*Dollars* 2,548,490,359
Aluminum manufactures	11	96	725		2,338	358,847	1,194,148	2,512,021	95,162	5,683,837	3,076,654
Artificial and preserved flowers and plants [1]	26	107	487		140	338,436	497,298	1,218,939	14,041	2,826,058	1,593,078
Ashestos products, other than steam packing or pipe and boiler covering	7	89	980	300	1,150	269,958	1,365,806	3,819,019	431,804	8,025,390	3,774,567
Awnings, tents, sails, and canvas covers	52	115	506		222	310,623	704,148	2,091,730	21,060	3,819,009	1,706,219
Bags, other than paper, not made in textile mills [1]	17	55	484		584	189,238	425,400	4,719,758	23,019	5,759,903	1,017,126
Bags, paper, exclusive of those made in paper mills	5	67	405		738	152,599	513,249	2,287,813	34,369	3,476,530	1,154,348
Baskets and rattan and willow ware, not including furniture	10	11	55		45	15,429	62,344	130,916	2,050	255,000	122,034
Belting, leather	12	106	379	200	507	286,030	498,333	1,801,570	20,745	3,778,501	1,956,186
Beverages	133	455	1,398	3,232	3,487	1,301,200	2,253,110	5,738,704	315,072	16,409,432	10,355,656
Billiard and pool tables, bowling alleys, and accessories	3	7	21		19	15,687	22,710	29,037	1,577	99,698	69,084
Blackings, stains, and dressings	15	43	46		52	114,295	67,294	295,492	6,108	833,816	532,216
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	19	250	1,761	500	5,422	809,806	2,422,374	5,939,126	284,168	13,414,297	7,191,003
Bookbinding and blank-book making	114	540	3,023		2,845	1,568,189	4,019,001	3,850,676	121,619	13,211,648	9,239,353
Boot and shoe cut stock, not made in boot and shoe factories	5	43	283	325	165	146,298	277,315	3,229,700	17,467	3,979,496	732,329
Boots and shoes, other than rubber	34	647	4,185	1,890	2,591	1,670,331	5,430,765	10,373,070	121,082	24,011,909	13,517,757
Boxes, cigar, wooden [1]	5	10	90		115	35,508	82,243	89,297	4,348	280,914	187,269
Boxes, paper, not elsewhere classified	97	780	4,603	1,575	4,415	2,351,245	5,300,346	13,645,357	249,303	26,157,067	12,262,407
Boxes, wooden, except cigar boxes	38	162	1,752	3,600	4,152	484,711	2,112,456	4,548,009	109,687	8,693,182	4,035,486
Bread and other bakery products	1,739	1,674	15,824	3,768	21,924	3,843,360	22,123,220	53,845,528	1,930,728	118,756,059	62,978,303
Brooms	20	13	145		222	17,696	207,829	425,727	6,955	846,051	413,369
Brushes, other than rubber	24	42	267	125	376	189,650	365,198	863,877	20,770	1,851,910	967,263
Butter	16	57	139	853	1,398	134,769	178,557	4,218,788	36,897	5,128,537	872,852
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	7	11	34		9	38,847	69,332	707,669	8,272	903,917	187,976
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	57	528	2,341	2,792	2,617	1,093,415	2,640,558	16,494,667	232,824	27,709,459	10,981,968
Car and general construction and repairs, electric-railroad repair shops	12	237	2,695		6,527	520,536	4,794,668	3,169,640	106,499	8,591,343	5,315,204
Car and general construction and repairs, steam-railroad repair shops	52	1,293	18,275	19,821	34,521	3,558,714	30,316,964	21,982,345	2,174,822	58,045,899	33,888,732
Carbon paper and inked ribbons	9	76	141		334	154,586	156,282	815,066	10,843	1,805,703	979,794
Carriages and sleds, children's	6	46	269		291	150,145	323,222	761,391	15,061	1,386,296	609,844
Carriages, wagons, sleighs, and sleds	3	28	133	2,527	26	49,116	156,746	119,962	33,435	338,865	185,468
Cars, electric and steam railroad, not built in railroad repair shops	20	1,625	11,071	33,243	23,709	3,699,885	18,809,563	59,608,200	1,067,126	89,668,282	28,992,956
Caskets, coffins, burial cases, and other morticians' goods	21	172	1,188	425	1,477	528,182	1,970,014	3,620,431	84,909	8,393,052	4,687,712
Cereal preparations	7	57	217		862	149,490	295,751	2,378,938	74,104	3,973,649	1,520,607
Cheese	4	7	23	15	521	37,878	32,910	257,278	4,928	415,129	152,923
Chemicals, not elsewhere classified	29	391	2,010	5,105	16,269	1,234,653	3,213,427	15,027,333	1,086,556	26,462,453	10,348,564
China firing and decorating, not done in potteries	7	37	142		3	76,163	194,792	297,609	13,216	725,360	414,535
Chocolate and cocoa products, not including confectionery	3	3	77	900	1,224	6,807	111,615	2,261,236	50,798	4,980,627	2,668,593
Cigars and cigarettes	100	72	561		29	139,939	684,550	824,334	5,839	2,273,826	1,443,653
Clay products (other than pottery) and nonclay refractories	33	372	3,301	18,564	10,736	1,077,558	5,417,837	1,316,607	1,858,881	13,958,470	10,782,982
Cleaning and polishing preparations	49	192	292		757	640,561	385,701	2,468,044	33,717	7,151,061	4,649,300
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	293	3,075	18,163	1,000	4,952	7,761,371	27,056,367	45,584,790	402,944	111,623,539	65,635,805
Clothing, women's, not elsewhere classified	379	1,304	11,890		1,909	4,099,860	13,889,775	37,441,194	250,215	71,039,359	33,347,950
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	20	33	520		188	70,830	558,790	1,179,772	14,968	2,318,614	1,123,874
Coffee and spice, roasting and grinding	40	450	853	1,350	3,329	1,231,698	1,160,645	38,182,268	233,180	46,751,513	8,336,065
Compressed and liquefied gases	16	176	224	759	5,736	328,339	381,114	816,937	247,195	4,047,598	2,983,466
Concrete products	107	428	905	306	3,531	659,582	1,500,145	1,733,451	115,124	6,063,200	4,214,715
Confectionery	139	1,563	11,119	3,461	12,277	4,566,663	11,337,259	54,194,057	752,296	89,692,627	34,746,274
Cooperage	24	95	911	2,365	670	363,478	1,290,534	4,442,445	73,385	6,915,009	2,399,179
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	236	681	2,924	161	5,721	2,145,585	5,154,274	8,664,373	169,326	21,965,965	13,132,266
Cutlery (not including silver and plated cutlery) and edge tools	12	27	207		448	113,554	357,686	171,199	16,875	896,774	708,700
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	8	86	357		499	338,985	530,597	984,715	33,099	3,032,715	2,014,901
Dental goods and equipment	10	33	138		160	104,180	158,898	1,456,069	7,454	2,008,504	544,981
Druggists' preparations	29	450	480		3,592	1,186,140	605,951	1,601,145	50,440	6,578,810	4,927,225
Dyeing and finishing textiles [2]	21	316	1,638	5,545	1,010	850,660	2,026,986	9,682,658	233,186	17,137,218	7,821,374
Electrical machinery, apparatus, and supplies	220	15,304	55,453	59,050	33,490	34,359,786	93,368,308	156,805,534	2,427,141	422,405,602	263,172,927
Electroplating	80	142	1,027		3,654	428,818	1,840,813	641,623	153,088	4,413,390	3,618,679

See footnotes at end of this section, p. 152

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
CHICAGO INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Emery wheels and other abrasive and polishing appliances	8	46	139	----------	222	241,927	227,099	858,787	16,730	1,700,866	825,349
Engines, turbines, tractors, and water wheels	10	871	6,253	1,040	16,799	2,354,544	11,073,849	22,697,988	943,123	48,485,328	24,844,217
Engravers' materials	4	17	75	----------	396	100,851	131,490	585,828	13,370	1,041,483	442,285
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	24	130	630	----------	871	533,675	900,331	734,802	36,087	3,386,017	2,615,128
Engraving, steel and copperplate, and plate printing	50	235	1,105	208	913	864,088	1,546,607	1,445,975	46,320	6,110,197	4,617,902
Engraving, wood	8	11	72	----------	10	39,196	208,934	39,303	1,734	405,537	364,500
Envelopes	17	230	997	95	1,541	729,406	1,349,302	2,477,262	53,944	6,650,055	4,118,849
Fancy and miscellaneous articles, not elsewhere classified	85	278	1,566	----------	656	723,652	1,649,632	3,598,411	47,102	8,002,720	4,357,207
Feeds, prepared, for animals and fowls	18	286	613	1,210	14,947	849,691	948,612	24,670,872	208,607	30,734,488	5,855,609
Food preparations, not elsewhere classified	66	329	1,289	970	3,047	954,199	1,540,701	13,443,733	196,408	21,426,763	7,786,622
Forgings, iron and steel, not made in plants operated in connection with rolling mills	21	413	3,814	3,055	23,332	1,450,910	7,392,250	14,693,765	1,662,321	35,427,782	19,071,696
Foundry and machine-shop products, not elsewhere classified	577	8,313	35,117	16,224	98,021	26,241,446	59,579,634	102,449,439	4,238,020	280,675,077	173,987,618
Fur goods	234	296	951	----------	408	987,448	2,064,574	7,816,667	54,820	14,106,884	6,235,397
Furnishing goods, men's, not elsewhere classified	27	118	645	----------	81	448,811	608,409	2,950,224	10,881	4,750,088	1,788,983
Furniture, including store and office fixtures	316	2,097	18,370	11,312	23,034	7,092,695	25,791,459	46,818,986	1,103,342	105,493,388	57,571,060
Gas machines, gas meters, and water and other liquid meters [3]	8	45	194	----------	232	259,028	325,562	523,614	15,442	1,768,125	1,229,069
Glass products (except mirrors) made from purchased glass [3]	33	69	257	----------	178	184,271	375,600	534,510	14,192	1,391,175	842,473
Glue and gelatin [1]	17	129	609	5,480	1,273	317,666	846,395	2,963,679	309,619	6,632,134	3,358,836
Gold leaf and foil	7	6	129	----------	23	16,264	152,373	118,381	1,782	326,655	206,492
Grease and tallow, not including lubricating greases	7	105	753	4,065	1,213	344,547	1,163,675	8,378,257	261,937	12,607,548	3,967,354
Hair work	6	6	18	----------	1	16,543	17,663	32,674	269	92,716	59,773
Hand stamps and stencils and brands	33	146	448	30	355	398,570	613,680	624,874	27,788	2,350,195	1,697,533
Hardware not elsewhere classified	70	585	2,689	263	6,077	1,734,877	3,725,301	5,399,325	197,719	16,209,292	10,612,248
Hat and cap materials, men's	5	9	55	----------	8	16,099	62,853	105,188	773	191,976	86,015
House-furnishing goods, not elsewhere classified	101	316	1,645	190	1,900	1,060,158	1,803,740	5,955,734	64,484	11,103,702	5,083,484
Ice cream	64	325	952	75	11,129	1,141,709	1,957,615	8,550,745	322,284	21,193,603	12,320,574
Ice, manufactured	93	212	1,009	2,624	52,209	769,998	2,210,518	288,504	1,395,704	10,124,348	8,440,140
Ink, printing	30	134	328	33	2,979	582,340	437,759	2,941,562	91,768	6,305,207	3,271,877
Instruments, professional and scientific [3]	39	762	3,982	----------	6,855	1,927,228	5,985,176	4,819,097	208,166	18,331,606	13,304,343
Iron and steel: Steel works and rolling mills	36	4,560	45,390	[4]726,719	[5]354,670	12,755,163	84,086,243	259,221,563	32,808,613	505,719,052	213,688,876
Jewelry	78	316	1,155	----------	612	856,363	1,952,010	3,258,165	39,305	8,446,220	5,148,750
Jewelry and instrument cases	6	24	194	----------	101	106,217	220,524	294,088	7,821	741,241	439,332
Knit goods	28	174	1,292	650	581	472,697	1,391,741	2,972,237	46,795	6,561,253	3,542,221
Labels and tags [3]	15	106	358	43	525	283,201	442,005	901,249	24,385	2,512,656	1,587,022
Lithographing	47	570	2,501	1	3,769	2,130,863	4,314,234	4,461,043	138,902	16,239,192	11,639,247
Lumber and timber products, not elsewhere classified	3	27	229	----------	1,424	155,252	333,900	1,006,216	44,657	1,921,195	870,322
Macaroni, spaghetti, vermicelli, and noodles	27	85	680	1,213	2,293	278,134	709,979	3,809,203	130,161	6,325,746	2,386,382
Machine-tool accessories and small metal-working tools, not elsewhere classified	77	405	2,069	24	3,698	1,357,618	3,791,190	2,093,156	164,160	11,581,931	9,324,615
Machine tools	17	246	1,332	610	3,362	865,209	2,127,785	2,568,886	121,115	9,036,474	6,346,473
Marble, granite, slate, and other stone products	98	278	1,039	153	9,830	1,112,325	2,270,826	2,749,553	180,854	8,215,132	5,284,725
Mattresses and bed springs, not elsewhere classified	44	137	1,407	350	2,436	472,259	1,790,877	5,188,870	94,157	9,782,066	4,499,029
Meat packing, wholesale	57	2,541	25,593	52,783	56,416	6,802,260	35,304,212	570,179,179	3,828,887	654,957,891	80,949,825
Millinery	110	491	3,598	775	797	1,542,630	4,588,851	10,170,127	90,680	19,947,859	9,687,052
Mirror and picture frames	39	264	2,098	500	3,861	1,016,745	2,642,506	2,595,532	104,427	8,179,742	5,479,783
Mirrors, framed and unframed	21	88	438	150	354	249,558	805,354	1,060,964	30,323	2,576,669	1,485,382
Models and patterns, not including paper patterns	70	59	431	----------	925	185,381	879,039	345,195	24,510	2,075,769	1,706,064
Motion pictures, not including projection in theaters	8	120	82	----------	106	374,980	216,145	462,479	10,262	1,154,148	681,407
Motor-vehicle bodies and motor-vehicle parts	75	499	2,789	132	10,142	1,531,969	4,868,832	8,493,144	340,899	22,204,823	13,370,780
Motor vehicles, not including motorcycles	16	460	2,902	4,025	1,898	1,343,754	4,525,711	40,027,164	172,831	58,369,943	18,169,948
Mucilage, paste, and other adhesives except glue and rubber cement [1]	10	51	83	----------	263	159,152	102,957	785,281	19,003	1,337,515	533,231
Musical-instrument parts and materials: Piano and organ [1]	12	89	638	765	623	302,172	815,365	1,054,892	68,808	2,956,459	1,832,759
Musical instruments and parts and materials, not elsewhere classified	20	128	596	----------	1,479	363,640	924,577	1,043,336	49,773	3,078,813	1,985,704
Musical instruments: Pianos	13	204	2,349	4,175	1,200	634,118	3,217,544	4,625,878	158,467	10,281,516	5,497,171
Nonferrous-metal alloys and products, not including aluminum products	100	743	3,808	150	14,830	2,157,906	6,530,228	32,597,553	831,249	51,305,296	17,876,494
Oil, cake, and meal, linseed	5	31	223	1,075	2,487	64,243	355,444	6,761,806	95,293	8,730,426	1,873,327
Optical goods	8	28	67	----------	42	75,457	103,816	198,855	3,976	591,263	388,432
Paints and varnishes	90	1,332	3,590	6,002	17,670	4,105,106	5,352,254	51,628,426	975,243	82,550,707	29,947,038
Paper	11	143	1,198	14,443	6,417	421,952	1,840,513	7,191,084	820,878	14,259,230	6,247,288
Paper goods, not elsewhere classified	27	378	1,427	150	3,406	1,252,285	2,121,622	8,124,515	145,220	17,431,034	9,161,209
Patent or proprietary medicines and compounds	105	774	987	240	3,033	2,009,666	1,169,964	8,020,301	172,877	26,129,910	17,936,732
Pens, fountain and stylographic; pen points, gold, steel, and brass	5	30	248	----------	164	68,353	340,536	715,990	9,149	1,428,601	703,462
Perfumes, cosmetics, and other toilet preparations [1]	94	628	1,051	----------	997	1,725,400	1,016,146	4,332,254	44,716	15,398,746	11,021,776
Petroleum refining	8	851	5,503	34,484	18,550	2,237,115	9,707,839	128,129,703	1,679,725	191,730,639	61,921,211
Phonographs	11	54	299	----------	459	201,254	437,345	1,298,842	17,822	3,420,115	2,103,451
Photo-engraving, not done in printing establishments	49	741	2,051	----------	1,584	2,526,683	5,425,196	2,201,078	137,313	13,853,001	11,514,610
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	206	1,016	4,599	9,515	18,116	3,502,773	8,499,429	14,310,698	416,903	32,075,130	17,347,529

See footnotes at end of this section, p. 152.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
CHICAGO INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	21	289	1,631	440	4,863	909,631	2,481,802	2,273,870	206,422	7,871,092	5,390,800
Pocketbooks, purses, and card cases [1]	10	61	264	----------	29	129,073	367,298	748,994	2,934	1,552,203	800,275
Pottery, including porcelain ware	5	23	208	200	322	105,964	273,739	93,915	60,603	739,737	585,219
Printing and publishing, book and job	1,075	7,354	25,322	2,560	34,067	21,438,981	44,675,886	39,165,891	1,493,615	170,350,547	129,691,041
Printing and publishing, music	25	127	94	----------	99	330,922	161,515	220,513	5,895	1,509,808	1,283,400
Printing and publishing, newspaper and periodical	536	11,267	8,559	2,439	23,928	30,645,911	19,948,632	35,646,210	642,034	154,677,858	118,389,614
Printing materials, not including type or ink	13	109	471	----------	1,116	340,056	783,974	929,858	43,234	3,512,302	2,539,210
Pumps (hand and power) and pumping equipment	18	343	556	120	1,962	849,823	988,785	2,326,128	55,164	5,628,972	3,247,680
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint	15	311	1,547	812	8,133	866,139	2,531,130	17,013,990	614,130	27,225,975	9,597,855
Saddlery and harness	7	7	40	----------	79	10,761	62,417	225,161	2,234	410,626	183,231
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	63	198	1,131	280	3,349	718,412	1,587,802	14,011,100	156,173	19,233,102	5,065,829
Shirts	16	46	514	250	59	174,348	511,806	910,557	21,685	1,975,073	1,042,831
Signs and advertising novelties	147	966	3,182	625	2,593	2,815,201	4,868,237	6,234,758	195,585	21,595,900	15,165,617
Silversmithing and silverware	4	2	16	----------	16	3,838	32,622	38,659	1,081	95,278	55,538
Smelting and refining, metals other than gold, silver, or platinum, not from the ore [1]	27	230	975	335	3,176	1,132,814	1,558,461	31,346,665	360,147	38,796,295	7,089,483
Sporting and athletic goods, not including fire-arms or ammunition	29	195	1,415	80	1,957	633,882	2,204,468	4,220,506	83,335	9,028,288	4,724,447
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	75	528	3,505	335	6,293	2,196,912	4,872,490	8,803,371	392,826	22,116,361	12,920,164
Stationery goods, not elsewhere classified [1]	31	367	1,636	600	1,316	1,330,824	2,127,205	4,570,425	108,413	13,831,516	9,152,678
Statuary and art goods, factory product	21	105	417	150	202	344,212	831,223	362,481	20,525	2,068,741	1,685,735
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified [1]	22	325	1,200	60	1,601	989,387	1,447,187	3,396,713	74,674	7,466,498	3,995,111
Stereotyping and electrotyping, not done in printing establishments [1]	33	233	924	----------	3,368	846,332	2,415,155	684,758	107,325	5,696,862	4,904,779
Stoves and ranges (other than electric) and warm-air furnaces	40	519	2,268	1,275	2,739	1,781,228	3,607,956	5,610,738	284,333	16,917,739	11,022,668
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	123	1,203	5,125	3,192	37,405	3,560,587	9,211,970	23,705,523	563,195	48,070,798	23,802,080
Surgical and orthopedic appliances, including artificial limbs [1]	32	349	1,199	425	1,401	1,083,338	1,528,633	3,870,196	59,956	10,126,295	6,196,143
Theatrical scenery and stage equipment	5	15	43	----------	31	44,119	88,746	249,734	3,161	659,286	406,391
Tin cans and other tinware, not elsewhere classified	27	641	5,239	1,230	14,671	1,411,847	7,061,423	36,086,578	567,267	56,475,581	19,821,736
Tools, not including edge tools, machine tools, files, or saws	51	208	1,054	20	2,918	846,626	1,538,982	1,731,338	167,135	6,324,726	4,426,253
Toys (not including children's wheel goods or sleds), games, and playground equipment	23	210	1,075	----------	1,116	497,593	1,115,754	1,496,413	41,815	4,829,473	3,291,245
Trimmings (not made in textile mills) and stamped art goods for embroidering	33	112	717	----------	144	414,810	811,132	2,213,785	15,533	4,410,333	2,181,015
Trunks, suitcases, and bags [1]	47	188	1,132	150	569	557,637	1,574,521	3,665,965	35,180	6,861,687	3,160,542
Type founding	5	2	17	----------	19	1,565	17,841	29,956	688	82,414	51,770
Umbrellas, parasols, and canes	4	6	47	----------	6	13,251	51,488	259,804	1,000	373,359	112,555
Wall paper	12	111	1,146	2,093	2,133	455,595	1,448,905	4,303,041	161,088	9,140,069	4,675,940
Wall plaster, wall board, insulating hoard, and floor composition	20	98	229	790	7,749	247,576	399,563	868,315	130,409	2,470,298	1,471,574
Waste	10	42	278	125	926	247,701	314,554	2,069,365	48,986	3,095,858	977,507
Wire, drawn from purchased bars or rods	7	327	2,110	4,970	18,422	822,133	3,512,910	29,532,204	735,220	41,110,747	10,843,323
Wirework, not elsewhere classified	44	294	1,738	400	3,626	1,018,203	2,265,313	5,383,510	142,520	12,023,014	6,496,984
Wood turned and shaped and other wooden goods, not elsewhere classified	34	101	663	880	1,361	335,285	941,995	1,063,687	43,078	3,076,652	1,969,887
Other industries	1,012	15,970	79,669	188,823	192,512	42,922,759	118,858,803	418,162,279	116,148,054	968,566,353	434,256,020

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The items for each of the industries covered by this footnote include data for 1 establishment located outside the industrial area, to avoid disclosing the figures reported by the establishments in question.

[2] The items for each of the industries covered by this footnote include data for 2 establishments located outside the industrial area, to avoid disclosing the figures reported by the establishments in question.

[3] Includes item for "Iron and steel: Blast furnaces" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

[4] The items for each of the industries covered by this footnote include data for 3 establishments located outside the industrial area, to avoid disclosing approximations of the figures reported by the establishments in question.

ST. LOUIS INDUSTRIAL AREA

[This area comprises Madison and St. Clair Counties in Illinois and St. Louis city and St. Louis County in Missouri. For statistics by industries for the area as a whole, see report for Missouri]

All industries, total	3,287	28,276	154,321	259,343	365,413	*Dollars* 72,037,263	*Dollars* 198,007,887	*Dollars* 890,700,208	*Dollars* 28,172,195	*Dollars* 1,541,953,654	*Dollars* 623,081,251

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
COOK COUNTY											
[The totals for all industries do not include data for a few establishments located outside the county (see footnotes 6, 6, and 7), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	10,871	101,028	462,750	621,548	1,022,120	*Dollars* 284,756,296	*Dollars* 727,953,161	*Dollars* 2,272,383,606	*Dollars* 96,814,125	*Dollars* 4,482,159,689	*Dollars* 2,112,961,958
Aluminum manufactures	11	96	725	.....	2,338	358,847	1,194,148	2,512,021	95,162	5,683,837	3,076,654
Artificial and preserved flowers and plants [5]	26	107	487	.....	140	338,436	497,298	1,218,939	14,041	2,826,058	1,593,078
Awnings, tents, sails, and canvas covers	45	110	470	.....	203	294,766	642,536	1,983,581	19,644	3,579,743	1,576,518
Baskets and rattan and willow ware, not including furniture	10	11	55	.....	45	15,429	62,344	130,916	2,050	255,000	122,034
Belting, leather	12	106	379	200	607	286,030	498,363	1,801,370	20,745	3,778,501	1,956,186
Beverages	107	419	1,293	3,228	3,272	1,231,445	2,094,322	5,411,070	301,998	15,627,857	9,914,489
Billiard and pool tables, bowling alleys, and accessories	3	7	21	.....	19	16,687	22,710	29,037	1,677	99,698	69,084
Blacking, stains, and dressings	16	43	46	.....	62	114,295	67,294	295,492	6,108	833,816	632,216
Bookbinding and blank-book making [5]	114	540	3,023	.....	2,845	1,568,189	4,019,001	3,850,676	121,619	13,211,648	9,239,353
Boot and shoe cut stock, not made in boot and shoe factories	5	43	283	325	165	146,298	277,315	3,229,700	17,467	3,979,496	732,329
Boots and shoes, other than rubber [5]	34	647	4,185	1,890	2,691	1,670,331	6,430,765	10,373,070	121,082	24,011,909	13,617,757
Boxes, cigar, wooden [5]	6	10	90	.....	115	35,508	82,243	89,297	4,348	280,914	187,269
Boxes, paper, not elsewhere classified	92	703	3,927	625	4,183	2,221,824	4,578,577	11,537,602	218,368	22,608,857	10,852,887
Boxes, wooden, except cigar boxes [6]	38	162	1,752	3,600	4,152	484,711	2,112,456	4,548,009	109,687	8,693,182	4,035,486
Bread and other bakery products	1,615	1,595	12,970	3,756	15,148	3,677,065	20,854,686	60,419,478	1,778,180	112,104,541	59,906,883
Brooms [5]	20	13	145	.....	222	17,696	207,829	426,727	6,955	846,051	413,369
Butter	9	52	128	744	921	127,941	165,358	4,016,947	30,414	4,804,377	757,016
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	7	11	34	.....	9	38,847	69,332	707,669	8,272	903,917	187,976
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	54	517	2,268	2,717	2,390	1,067,818	2,560,540	15,927,612	224,098	26,888,910	10,737,200
Car and general construction and repairs, steam-railroad repair shops	37	1,064	14,635	19,311	22,405	2,896,268	24,175,643	16,617,443	1,870,845	45,573,253	27,084,565
Carriages and sleds, children's	6	46	269	.....	291	150,145	323,222	761,391	15,061	1,386,296	609,844
Caskets, coffins, burial cases, and other mortician' goods	21	172	1,188	425	1,477	528,182	1,970,014	3,620,431	84,909	8,398,052	4,687,712
Cheese [5]	4	7	23	15	521	27,878	32,910	257,278	4,928	415,129	152,923
Chemicals, not elsewhere classified	21	267	968	1,543	6,850	838,430	1,490,219	10,233,131	546,120	16,604,920	5,825,669
China firing and decorating, not done in potteries	7	37	142	.....	3	76,163	194,792	297,609	13,216	725,360	414,536
Chocolate and cocoa products, not including confectionery	3	3	77	900	1,224	6,807	111,615	2,261,236	50,798	4,980,627	2,668,593
Cigars and cigarettes	92	64	517	.....	26	127,304	640,383	764,459	6,035	2,114,805	1,345,311
Clay products (other than pottery) and nonclay refractories	26	329	2,389	15,549	5,798	970,297	4,082,005	888,034	1,245,208	9,885,956	7,752,714
Cleaning and polishing preparations [6]	49	192	292	.....	757	640,560	385,701	2,468,044	33,717	7,151,061	4,649,300
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	283	3,040	17,706	1,000	4,902	7,697,346	26,692,591	44,961,960	386,938	110,364,302	65,015,404
Clothing, women's, not elsewhere classified	373	1,261	11,590	.....	1,874	3,990,164	13,724,162	36,885,139	244,975	69,967,774	32,837,660
Coffee and spice, roasting and grinding [5]	40	450	853	1,350	3,329	1,231,698	1,160,645	38,182,268	223,180	46,751,513	8,336,065
Concrete products	72	172	603	216	2,608	520,725	1,046,577	1,032,213	77,020	4,122,970	3,013,737
Confectionery	133	1,495	10,639	3,461	11,743	4,429,253	10,909,926	52,928,886	729,904	87,130,718	33,471,928
Cooperage	20	83	789	1,950	573	325,084	1,143,190	3,648,655	65,759	5,812,887	2,098,473
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	217	617	2,543	161	3,420	1,964,170	4,596,828	7,689,943	142,056	19,515,951	11,683,952
Corsets and allied garments	17	236	1,203	.....	280	715,067	1,357,376	4,236,086	22,290	9,321,985	5,063,600
Dental goods and equipment	10	33	133	.....	160	104,180	158,886	1,456,069	7,454	2,098,504	544,981
Electrical machinery, apparatus, and supplies	209	15,136	54,709	58,925	31,707	33,858,818	92,333,780	154,474,483	2,342,780	417,473,377	260,656,114
Electroplating [5]	80	142	1,027	.....	3,654	438,818	1,840,813	641,623	153,088	4,413,390	3,618,679
Emery wheels and other abrasive and polishing appliances	8	46	139	.....	222	241,927	227,099	858,787	16,730	1,700,866	825,349
Engravers' materials	4	17	75	.....	396	100,851	131,490	585,828	13,370	1,041,483	442,285
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	24	130	630	.....	871	633,675	900,331	734,802	36,087	3,386,017	2,615,128
Engraving, steel and copperplate, and plate printing	50	235	1,105	208	913	864,088	1,546,607	1,445,975	46,320	6,110,197	4,617,902
Engraving, wood	8	11	72	.....	10	39,196	208,934	39,303	1,734	405,537	364,500
Envelopes	17	230	997	95	1,541	729,406	1,349,302	2,477,262	53,544	6,656,055	4,118,849
Feeds, prepared, for animals and fowls [6]	15	214	496	1,210	12,047	620,937	753,570	19,567,045	162,214	24,189,957	4,460,668
Foundry and machine-shop products, not elsewhere classified	503	6,946	27,616	11,589	72,201	22,032,709	48,036,785	76,799,356	3,062,049	222,650,596	142,789,191
Furnishing goods, men's, not elsewhere classified	27	118	645	.....	81	448,811	608,409	2,950,224	10,881	4,750,088	1,788,983
Furniture, including store and office fixtures	204	1,829	15,895	10,460	20,906	6,386,301	22,521,281	39,666,587	959,899	89,226,171	48,599,685
Gold leaf and foil	7	6	129	.....	23	16,264	152,373	118,381	1,782	326,655	206,492
Hair work	6	6	18	.....	1	16,543	17,663	32,674	269	92,716	59,773
Hand stamps and stencils and brands	33	146	448	30	355	398,570	613,680	624,874	27,788	2,350,155	1,697,533
Hardware not elsewhere classified	58	385	1,804	150	3,207	1,319,685	2,541,063	3,746,701	137,951	11,175,307	7,260,655
Hat and cap materials, men's	5	9	55	.....	8	16,099	62,853	105,188	773	191,976	86,015
House-furnishing goods, not elsewhere classified [5]	101	316	1,645	100	1,900	1,060,158	1,809,740	5,955,734	64,484	11,103,702	5,083,484
Ice cream	46	290	820	.....	9,778	1,037,925	1,744,097	7,717,570	269,153	19,412,812	11,426,089
Ice, manufactured [6]	76	187	924	1,695	48,258	677,154	2,049,379	267,093	1,277,193	9,922,796	8,378,510
Ink, printing	30	134	328	33	2,979	582,340	437,759	2,941,562	91,768	6,305,207	3,271,877
Instruments, professional and scientific [6]	39	762	3,982	.....	6,855	1,927,228	5,585,176	4,819,097	208,166	18,331,606	13,304,343
Jewelry	78	316	1,155	.....	612	856,363	1,952,010	3,258,165	39,365	8,446,220	5,148,750
Jewelry and instrument cases	6	24	194	.....	101	106,217	220,524	294,088	7,821	741,241	439,332
Knit goods [5]	28	174	1,292	650	581	472,697	1,391,741	2,972,237	46,795	6,561,253	3,542,221
Labels and tags [6]	15	106	358	43	525	283,201	442,005	901,249	24,385	2,512,656	1,587,022
Leather goods, not elsewhere classified	33	83	483	.....	290	256,183	580,726	1,697,684	16,197	3,392,059	1,678,178
Lithographing	47	570	2,501	1	3,769	2,130,863	4,314,234	4,461,043	138,902	16,239,192	11,639,247

See footnotes at end of this section, p 154.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
COOK COUNTY—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Lumber and timber products, not elsewhere classified	3	27	229	----------	1,424	155,252	333,900	1,006,216	44,657	1,921,195	870,322
Macaroni, spaghetti, vermicelli, and noodles	24	48	463	1,213	1,344	160,972	486,677	2,230,036	91,087	3,712,219	1,391,096
Machine-tool accessories and small metal-working tools, not elsewhere classified [6]	77	405	2,069	24	3,698	1,357,618	3,791,190	2,093,156	164,160	11,581,931	9,324,615
Marble, granite, slate, and other stone products	87	231	923	153	8,780	975,927	2,063,910	2,508,387	162,062	7,413,211	4,742,762
Mattresses and bed springs, not elsewhere classified	41	132	1,382	350	2,353	460,835	1,762,243	5,076,568	92,261	9,598,734	4,429,905
Meat packing, wholesale	54	2,520	25,491	52,558	56,131	6,733,290	35,157,648	568,300,331	3,813,695	632,813,610	80,499,584
Millinery	110	491	3,598	775	797	1,542,630	4,588,851	10,170,127	90,680	19,947,859	9,687,052
Minerals and earths, ground or otherwise treated	3	8	27	165	113	35,387	54,127	141,171	7,066	346,078	196,941
Mirror and picture frames	39	264	2,098	500	3,861	1,016,745	2,642,506	2,595,532	104,427	8,179,742	5,479,783
Mirrors, framed and unframed	21	88	438	150	354	249,558	805,354	1,060,964	30,323	2,576,669	1,485,382
Models and patterns, not including paper patterns	65	59	390	----------	856	180,673	792,578	331,225	22,164	1,914,579	1,561,190
Motion pictures, not including projection in theaters	8	120	82	----------	106	374,980	216,145	462,479	10,262	1,154,146	681,407
Mucilage, paste, and other adhesives, except glue and rubber cement [5]	10	51	83	----------	263	159,152	102,957	785,281	19,003	1,337,515	533,231
Musical-instrument parts and materials: Piano and organ [7]	12	89	638	765	523	202,172	815,365	1,054,892	68,808	2,956,459	1,832,759
Musical instruments and parts and materials, not elsewhere classified [8]	20	128	596	----------	1,479	363,640	924,577	1,043,336	49,773	3,078,813	1,985,704
Musical instruments: Organs	4	5	11	----------	65	7,309	18,525	20,851	1,029	67,200	45,320
Musical instruments: Pianos	10	179	2,048	3,775	694	579,891	2,317,418	4,103,754	137,469	9,027,619	4,786,456
Oil, cake, and meal, linseed	5	31	223	1,075	2,487	64,243	355,444	6,761,806	95,293	8,730,426	1,873,327
Optical goods [5]	8	28	67	----------	42	75,457	103,816	198,855	3,976	591,263	388,432
Paints and varnishes	86	1,272	3,473	6,002	15,401	3,952,268	5,127,815	48,635,091	849,255	78,494,723	29,010,377
Paper	6	118	783	9,290	5,917	354,399	1,253,092	4,065,343	596,123	8,616,141	3,954,675
Paper goods, not elsewhere classified [5]	27	378	1,427	150	3,406	1,252,285	2,121,622	8,124,515	145,220	17,431,034	9,161,299
Patent or proprietary medicines and compounds	97	692	817	230	1,678	1,767,154	982,351	6,555,292	109,320	21,364,613	14,629,801
Phonographs	11	54	299	----------	459	201,254	437,345	1,298,842	17,822	3,420,115	2,103,451
Photo-engraving, not done in printing establishments	46	729	2,023	----------	1,567	2,487,883	5,371,876	2,179,908	134,537	13,708,414	11,393,969
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	171	925	4,223	9,000	15,603	3,235,146	7,879,087	13,467,991	370,318	29,982,981	16,144,672
Pocketbooks, purses, and cardcases [5]	10	61	264	----------	29	129,073	367,298	748,894	2,934	1,552,203	800,275
Printing and publishing, book and job	1,034	7,120	24,226	2,000	33,131	20,990,667	13,027,859	37,711,846	1,444,149	164,817,863	125,661,818
Printing and publishing, music	25	127	94	----------	99	330,922	161,515	220,513	5,895	1,509,808	1,283,400
Printing and publishing, newspaper and periodical	473	10,624	7,824	1,859	22,613	29,051,104	18,796,704	34,510,061	549,776	147,766,769	112,706,932
Printing materials, not including type or ink	13	109	471	----------	1,116	340,056	783,974	929,858	43,234	3,512,302	2,539,210
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	60	186	1,096	280	2,999	689,224	1,539,995	13,509,168	146,233	18,537,720	4,882,319
Silversmithing and silverware	4	2	16	----------	16	(9)	32,622	38,659	1,081	95,278	55,538
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	20	149	727	235	1,886	794,510	1,205,629	23,619,923	237,496	29,407,311	5,549,892
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	70	517	3,444	335	6,212	2,156,332	4,807,768	8,731,025	388,070	21,885,248	12,766,153
Statuary and art goods, factory product [5]	21	105	417	150	202	344,212	831,223	362,481	26,525	2,068,741	1,685,735
Stereotyping and electrotyping, not done in printing establishments [6]	33	233	924	----------	3,368	846,332	2,415,155	684,758	107,325	5,696,862	4,904,779
Stoves and ranges (other than electric) and warm-air furnaces	36	416	1,848	1,025	2,199	1,450,629	2,980,525	4,808,584	217,718	14,463,436	9,437,134
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	111	858	3,771	2,627	23,749	2,756,462	6,760,883	16,425,603	408,390	35,466,097	18,632,104
Surgical and orthopedic appliances, including artificial limbs [5]	32	349	1,260	425	1,401	1,083,338	1,528,633	3,870,196	59,956	10,126,295	6,196,143
Theatrical scenery and stage equipment	5	15	43	----------	31	44,119	88,746	249,734	3,161	659,286	406,391
Tools, not including edge tools, machine tools, files, or saws	47	206	1,030	20	2,711	845,720	1,505,783	1,706,902	162,261	6,217,353	4,348,190
Toys (not including children's wheel goods or sleds), games, and playground equipment	23	210	1,075	----------	1,116	497,593	1,115,754	1,496,413	41,815	4,829,473	3,291,245
Trunks, suitcases, and bags [5]	47	188	1,132	150	569	357,637	1,574,521	3,663,965	35,180	6,861,687	3,160,542
Type founding	5	2	17	----------	19	(9)	17,841	29,956	688	82,414	51,770
Umbrellas, parasols, and canes	4	6	47	----------	6	13,251	51,488	259,804	1,600	373,359	112,555
Wall paper	5	42	399	1,143	1,225	103,783	593,616	1,513,037	66,144	3,749,026	2,169,845
Wall plaster, wall board, insulating board, and floor composition	13	56	123	760	1,065	140,894	217,887	610,260	41,321	1,698,621	1,047,040
Wood turned and shaped and other wooden goods, not elsewhere classified	34	101	663	880	1,361	335,285	941,995	1,063,687	43,078	3,076,652	1,969,887
Other industries	2,239	27,096	140,293	376,104	456,547	75,190,646	222,150,458	734,971,557	67,559,966	1,479,937,127	677,415,604

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Cook County have been included in those for the county, as specified in footnotes 5, 6, and 7, to avoid disclosing, exactly or approximately, the data reported by individual establishments.

[5] Includes data for 1 establishment located outside Cook County.

[6] Includes data for 2 establishments located outside Cook County.

[7] Includes data for 3 establishments located outside Cook County.

[8] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
DU PAGE COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Furniture, including store and office fixtures"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	56	188	1,303	1,203	2,922	*Dollars* 416,449	*Dollars* 1,712,836	*Dollars* 4,220,082	*Dollars* 192,088	*Dollars* 10,753,883	*Dollars* 6,280,713
KANE COUNTY											
All industries, total	264	2,743	16,201	17,802	21,922	*Dollars* 6,928,016	*Dollars* 21,080,070	*Dollars* 35,057,574	*Dollars* 1,303,542	*Dollars* 89,875,977	*Dollars* 53,514,861
Beverages	6	4	20	----------	53	9,999	32,155	60,131	2,019	153,666	91,516
Bread and other bakery products	33	18	164	10	225	43,414	219,947	524,055	29,375	1,074,663	521,233
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	5	12	125	----------	24	18,950	97,297	86,694	2,170	235,887	167,023
Concrete products	5	4	16	----------	139	7,027	27,265	45,655	1,663	119,892	72,574
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	4	15	30	----------	91	29,445	43,498	88,682	5,191	253,784	159,911
Foundry and machine-shop products, not elsewhere classified	28	591	2,728	3,431	4,725	1,743,604	3,901,566	5,673,860	343,111	16,281,899	10,264,928
Furniture, including store and office fixtures	15	184	1,652	132	1,960	538,189	2,288,957	4,696,036	107,573	11,578,530	6,774,921
Ice cream	7	15	58	----------	442	52,519	80,048	252,603	19,763	646,746	374,380
Ice, manufactured	4	6	27	730	650	12,934	49,960	6,304	24,715	182,439	151,420
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	8	34	142	215	580	110,568	215,097	237,992	13,099	728,559	477,468
Printing and publishing, book and job	15	36	125	----------	186	99,069	187,385	208,026	9,313	683,224	465,885
Printing and publishing, newspaper and periodical	17	351	306	575	479	764,260	439,058	513,052	32,575	3,284,410	2,738,783
Other industries [9]	117	1,473	10,808	12,689	12,368	3,508,038	13,497,637	22,664,484	712,975	54,632,278	31,254,819
LAKE COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	142	1,473	8,577	33,354	23,468	*Dollars* 4,110,593	*Dollars* 13,467,126	*Dollars* 36,011,861	*Dollars* 2,817,120	*Dollars* 74,865,824	*Dollars* 36,036,843
LA SALLE COUNTY											
All industries, total	140	1,405	11,259	77,039	22,849	*Dollars* 3,479,603	*Dollars* 13,998,648	*Dollars* 22,168,611	*Dollars* 4,747,252	*Dollars* 63,373,437	*Dollars* 36,957,574
Beverages	7	7	25	80	33	9,784	34,922	52,507	8,830	161,761	100,424
Bread and other bakery products	20	33	222	2	382	41,410	310,399	716,704	36,383	1,516,970	763,883
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	3	12	66	75	335	30,686	45,027	208,073	3,205	409,693	198,415
Clay products (other than pottery) and nonclay refractories	6	62	583	1,050	2,619	168,327	709,930	134,973	390,948	1,888,611	1,362,690
Foundry and machine-shop products, not elsewhere classified	10	73	274	----------	752	128,087	349,110	596,864	37,496	1,505,959	871,599
Gas, manufactured, illuminating and heating	4	40	41	681	453	78,123	62,464	108,223	165,776	570,002	296,003
Glass	5	77	2,003	17,747	2,591	197,229	3,062,666	2,505,647	1,333,138	10,604,596	6,765,811
Ice cream	4	9	20	10	236	10,575	30,537	62,267	17,923	195,708	115,518
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	3	23	93	100	364	54,176	108,408	132,061	2,142	350,759	216,556
Printing and publishing, book and job	11	16	64	----------	116	62,493	87,487	110,710	5,446	357,205	241,049
Printing and publishing, newspaper and periodical	9	75	85	----------	188	208,919	144,015	89,697	6,763	715,186	618,726
Other industries [10]	58	978	7,783	57,294	14,780	2,489,794	9,053,683	17,450,885	2,739,202	45,596,987	25,406,900

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[9] The figures for this item include data for the "Watches and watch movements" industry, which reported a larger number of wage earners than any other industry in the county, but for which separate figures can not be given without disclosing data for individual establishments. The "Foundry and machine-shop products, not elsewhere classified" industry outranks all others in respect of value of products.

[10] The figures for this item include data for the "Clocks, clock movements, time-recording devices, and time stamps" industry, which reported a larger number of wage earners than any other industry in the county, but for which separate figures can not be given without disclosing data for individual establishments

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
MADISON COUNTY											
All industries, total	198	2,996	22,089	115,314	63,873	*Dollars* 7,281,669	*Dollars* 32,885,462	*Dollars* 156,416,817	*Dollars* 9,454,789	*Dollars* 258,804,982	*Dollars* 92,933,376
Beverages	12	7	34		71	16,045	45,386	101,270	3,825	261,702	156,607
Bread and other bakery products	29	20	191	75	670	72,272	240,823	644,046	28,522	1,238,098	565,530
Car and general construction and repairs, steam-railroad repair shops	10	33	402	100	485	78,505	705,102	444,986	23,081	1,251,675	783,608
Clay products (other than pottery) and nonclay refractories	6	41	284	554	2,635	113,665	299,742	99,712	116,430	791,522	575,380
Concrete products	7	4	18		94	5,340	25,704	54,364	2,331	122,113	65,418
Ice cream	7	13	19	31	224	27,127	23,947	114,000	10,642	271,092	146,450
Ice, manufactured	8	16	40	570	1,025	36,173	55,717	17,694	38,478	269,773	213,601
Iron and steel: Steel works and rolling mills	5	916	7,364	[11] 66,725	[11] 16,781	2,298,097	13,353,341	16,481,722	2,183,792	47,609,017	28,943,503
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	9	17	78	125	917	39,100	119,791	220,544	11,824	441,869	209,501
Printing and publishing, newspaper and periodical	13	64	90		200	166,468	162,969	115,187	9,131	721,672	597,354
Other industries	92	1,865	13,569	47,134	40,771	4,428,877	17,852,940	138,123,292	7,026,733	205,826,449	60,676,424
PEORIA COUNTY											
All industries, total	202	1,920	8,473	27,284	35,058	*Dollars* 4,749,874	*Dollars* 11,433,051	*Dollars* 57,265,940	*Dollars* 2,788,307	*Dollars* 101,952,359	*Dollars* 41,898,112
Agricultural implements	4	156	596	203	1,378	285,498	793,557	1,517,986	51,850	3,725,902	2,156,066
Beverages	6	11	39		73	18,916	44,796	122,968	4,714	293,120	165,438
Bread and other bakery products	28	49	386		651	111,902	454,020	993,194	52,391	2,286,589	1,241,004
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	4	20	166	305	50	67,585	166,013	973,691	11,431	1,448,307	463,185
Concrete products	5	12	82	50	117	20,938	90,137	218,972	4,268	542,490	319,280
Foundry and machine-shop products, not elsewhere classified	6	43	447		644	114,937	636,522	383,174	78,885	1,615,171	1,153,112
Marble, granite, slate, and other stone products	3	12	60		549	39,955	93,976	79,370	7,463	293,710	206,877
Meat packing, wholesale	3	58	254	800	320	108,127	319,997	4,510,256	57,882	5,268,822	700,684
Paper	3	27	490	7,470	882	74,972	652,289	2,046,352	224,926	3,565,470	1,294,192
Patent or proprietary medicines and compounds	5	26	68		842	56,256	73,449	450,293	16,885	887,660	420,482
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	7	39	192	375	582	85,952	267,702	324,682	7,687	904,612	572,243
Printing and publishing, book and job	18	40	163		174	100,877	224,960	280,878	9,279	879,897	589,740
Printing and publishing, newspaper and periodical	15	376	159		588	522,200	484,539	411,517	19,684	2,243,862	1,812,661
Other industries	95	1,051	5,371	18,081	28,208	3,141,759	7,131,094	44,952,607	2,240,962	77,996,747	30,803,178
ROCK ISLAND COUNTY											
All industries, total	150	2,240	15,994	10,650	51,346	*Dollars* 5,227,524	*Dollars* 22,620,099	*Dollars* 45,477,093	*Dollars* 1,972,992	*Dollars* 112,784,519	*Dollars* 65,334,434
Agricultural implements	6	726	4,963	2,290	15,717	1,592,306	7,197,472	16,670,212	535,687	47,072,432	29,866,533
Beverages	5	9	20		99	23,307	23,660	54,822	3,105	169,630	111,703
Bread and other bakery products	13	16	120		103	19,324	163,847	362,208	21,664	750,921	367,049
Concrete products	4	4	13		58	5,950	17,212	30,730	1,187	73,023	41,106
Electrical machinery, apparatus, and supplies	4	67	93		324	111,489	138,319	395,365	14,787	815,949	405,297
Foundry and machine-shop products, not elsewhere classified	18	350	2,264	1,326	3,306	995,651	3,302,055	4,940,014	317,741	13,193,532	7,935,777
Ice cream	5	10	31		466	19,328	53,846	203,362	21,291	477,116	252,463
Ice, manufactured	3	2	30		526	(12)	42,530	6,376	21,482	144,249	116,391
Models and patterns, not including paper patterns	4	4	30		30	13,166	45,060	16,439	1,467	105,484	87,578
Printing and publishing, book and job	10	26	220		180	71,285	313,766	437,758	10,644	967,898	519,496
Printing and publishing, newspaper and periodical	12	201	236		509	374,373	380,886	434,060	21,681	1,875,016	1,419,275
Other industries	66	825	7,974	7,034	30,028	2,001,345	10,941,446	21,925,247	1,002,256	47,139,269	24,211,766

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[11] Includes item for "Iron and steel: Blast furnaces" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

[12] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ST. CLAIR COUNTY											
All industries, total	282	2,738	17,361	48,937	61,348	*Dollars* 6,322,894	*Dollars* 22,635,410	*Dollars* 145,654,953	*Dollars* 3,990,672	*Dollars* 214,992,985	*Dollars* 65,347,360
Bread and other bakery products	43	23	178	----------	531	72,685	254,272	585,653	29,303	1,240,901	625,945
Car and general construction and repairs, steam-railroad repair shops	12	108	1,658	998	2,147	294,057	2,681,589	1,910,787	141,217	5,027,650	2,975,646
Concrete products	6	5	32	22	69	9,655	43,493	48,921	10,625	143,346	83,800
Fertilizers [13]	6	45	264	202	2,535	79,936	291,678	2,970,438	50,677	4,833,475	1,812,360
Ice cream	6	17	51	40	340	44,266	83,955	173,977	31,938	574,068	368,153
Ice, manufactured	8	22	77	1,270	1,310	46,704	128,508	26,346	83,351	529,489	419,792
Marble, granite, slate, and other stone products	4	----------	51	----------	378	----------	89,757	44,204	5,471	198,883	149,208
Meat packing, wholesale	5	652	3,357	9,035	8,259	1,429,351	4,212,307	78,136,737	405,355	91,581,376	13,039,284
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	6	34	65	175	203	67,459	100,699	117,498	5,666	328,900	205,736
Printing and publishing, book and job	11	9	31	----------	76	14,577	59,567	56,309	4,535	215,997	155,153
Printing and publishing, newspaper and periodical	12	75	97	----------	351	219,598	212,905	128,257	14,876	896,685	753,552
Stoves and ranges (other than electric and warm-air furnaces	14	182	1,821	475	2,979	580,258	2,388,667	3,312,934	192,147	8,972,435	5,467,354
Other industries [14]	149	1,566	9,679	36,720	42,170	3,464,348	12,088,013	58,142,892	3,015,511	100,449,780	39,291,377
TAZEWELL COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Engines, turbines, tractors, and water wheels"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	66	1,374	6,300	11,963	19,913	*Dollars* 2,946,819	*Dollars* 8,710,141	*Dollars* 38,960,559	*Dollars* 1,138,406	*Dollars* 80,225,197	*Dollars* 40,126,232
WILL COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	151	1,449	11,744	78,090	33,496	*Dollars* 4,234,726	*Dollars* 16,325,842	*Dollars* 41,840,674	*Dollars* 10,884,229	*Dollars* 96,805,683	*Dollars* 44,080,780
WINNEBAGO COUNTY											
All industries, total	283	3,332	19,916	22,440	42,310	*Dollars* 8,460,005	*Dollars* 28,291,371	*Dollars* 43,178,716	*Dollars* 2,628,737	*Dollars* 115,812,461	*Dollars* 70,005,008
Beverages	5	8	22	----------	40	19,530	31,272	60,965	2,760	166,254	102,529
Bread and other bakery products	36	17	195	----------	178	36,490	248,676	627,991	34,689	1,276,716	614,036
Butter	4	11	18	15	52	23,139	33,078	367,880	3,776	510,763	139,107
Concrete products	10	12	96	65	218	27,550	133,861	224,727	11,961	683,153	446,465
Cutlery (not including silver and plated cutlery) and edge tools	5	57	232	----------	835	112,343	399,739	268,937	25,221	1,270,736	976,578
Foundry and machine-shop products, not elsewhere classified	25	495	2,610	1,993	7,693	1,250,379	3,987,282	4,766,163	461,761	15,376,110	10,148,186
Furniture, including store and office fixtures	36	309	3,369	3,931	6,386	841,516	4,679,896	6,226,876	235,642	15,407,318	8,944,800
Knit goods	7	172	1,410	1,200	1,213	482,539	1,452,218	2,968,607	91,649	5,961,960	2,901,704
Machine-tool accessories and small metal-working tools, not elsewhere classified	4	11	61	----------	98	21,496	121,439	31,421	4,369	277,529	241,739
Machine tools	9	460	1,958	360	5,791	1,394,033	3,300,463	2,544,695	145,141	12,049,917	9,360,081
Models and patterns, not including paper patterns	4	7	53	----------	130	31,323	102,858	35,658	3,796	231,887	192,433
Nonferrous-metal alloys and products, not including aluminum products	3	10	49	----------	214	16,220	53,048	154,948	6,936	281,378	119,494
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	6	16	45	----------	505	42,383	78,485	158,521	6,544	392,805	227,740
Printing and publishing, book and job	24	75	174	----------	238	182,248	270,967	233,515	12,782	1,113,750	867,453
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	15	77	----------	438	44,342	105,424	284,570	7,067	512,930	221,293
Other industries	101	1,657	9,547	14,876	18,281	3,934,474	13,292,665	24,223,242	1,574,643	60,299,255	34,501,370

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[13] The figures for the "Fertilizers" industry include data for 1 establishment located outside the county. These adjustments have been made to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[14] See footnote 13.

TABLE 14.—GENERAL STATISTICS FOR CHICAGO, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. The totals for all industries do not include data for a few establishments located outside the city (see footnote 1, 2, and 4), and therefore are slightly smaller than the sums of the items for the individual industries]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	10,201	85,792	405,399	498,661	894,892	250,425,847	626,466,054	2,014,019,354	86,916,106	3,915,052,959	1,814,117,499
Artificial and preserved flowers and plants [1]	26	107	487	-------	140	338,436	497,298	1,218,939	14,041	2,826,058	1,593,078
Awnings, tents, sails, and canvas covers [1]	45	110	470	-------	203	294,766	642,536	1,983,581	19,644	3,579,743	1,576,518
Baskets and rattan and willow ware, not including furniture	10	11	55	-------	45	15,429	62,344	130,916	2,050	255,000	122,034
Belting, leather	12	106	379	200	507	286,030	498,353	1,801,570	20,745	3,778,501	1,956,186
Beverages	94	400	1,162	3,228	2,463	1,173,055	1,896,321	3,568,589	270,340	10,871,959	7,033,030
Billiard and pool tables, bowling alleys, and accessories	3	7	21	-------	19	15,687	22,710	29,037	1,577	99,698	69,084
Blacking, stains, and dressings	15	43	46	-------	52	114,295	67,294	295,492	6,108	833,816	532,216
Bookbinding and blank-book making	109	534	2,980	-------	2,797	1,537,051	3,949,364	3,796,084	119,193	13,013,014	9,097,737
Boot and shoe cut stock, not made in boot and shoe factories	6	43	283	325	165	146,268	277,315	3,229,700	17,467	3,979,496	732,329
Boots and shoes, other than rubber [1]	34	647	4,185	1,890	2,591	1,670,331	5,430,765	10,373,070	121,082	24,011,909	13,517,757
Boxes, cigar, wooden [1]	5	10	90	-------	115	35,508	82,243	89,297	4,348	280,914	187,269
Boxes, paper, not elsewhere classified [1]	92	703	3,927	625	4,183	2,221,824	4,578,577	11,537,602	218,368	22,608,857	10,852,887
Boxes, wooden, except cigar boxes	31	144	1,654	3,600	3,900	437,157	1,943,802	4,188,586	100,920	7,991,608	3,702,102
Bread and other bakery products	1,448	1,527	12,359	3,756	14,430	3,580,279	19,845,399	48,018,915	1,676,131	107,050,110	57,355,064
Brooms [1]	20	13	145	-------	222	17,696	207,829	425,727	6,955	846,051	413,369
Butter	9	52	128	744	921	127,941	165,358	4,016,947	30,414	4,804,377	757,016
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	7	11	34	-------	9	38,847	69,332	707,669	8,272	903,917	187,976
Car and general construction and repairs, steam-railroad repair shops	26	929	12,662	16,320	20,205	2,516,592	20,841,879	13,404,976	1,685,794	38,462,295	23,371,525
Caskets, coffins, burial cases, and other morticians' goods	21	172	1,188	425	1,477	628,182	1,970,014	3,620,431	84,909	8,393,052	4,687,712
Cheese [1]	4	7	23	15	521	27,878	32,910	257,278	4,928	415,129	152,923
Chemicals, not elsewhere classified	13	150	516	191	5,107	470,845	882,874	6,985,666	273,122	10,453,385	3,194,597
China firing and decorating, not done in potteries	7	37	142	-------	3	76,163	194,792	297,609	13,216	725,360	414,535
Chocolate and cocoa products, not including confectionery	3	3	77	900	1,224	6,807	111,615	2,261,236	50,798	4,980,627	2,668,593
Cigars and cigarettes	88	64	507	-------	26	127,304	631,275	751,478	4,903	2,079,459	1,323,078
Clay products (other than pottery) and nonclay refractories	8	209	1,060	2,260	2,040	539,557	2,009,133	736,832	292,273	4,230,197	3,201,092
Cleaning and polishing preparations	45	170	282	-------	685	585,415	369,372	2,326,711	32,584	6,789,213	4,429,918
Clothing (except work clothing), men's, youths' and boys', not elsewhere classified [2]	283	3,040	17,706	1,000	4,902	7,697,346	26,692,591	44,961,960	386,938	110,364,302	65,015,404
Clothing, women's, not elsewhere classified	373	1,261	11,590	-------	1,874	3,990,168	13,724,162	36,885,139	244,975	69,967,774	32,837,660
Coffee and spice, roasting and grinding [1]	40	450	853	1,350	3,329	1,231,698	1,160,645	38,182,268	233,180	46,751,513	8,336,065
Concrete products	40	106	402	5	1,668	320,233	718,814	543,380	43,223	2,436,933	1,850,330
Confectionery	128	1,462	10,523	3,461	11,683	4,349,065	10,750,436	52,238,869	717,311	85,838,069	32,821,889
Cooperage [1]	20	83	789	1,950	573	325,084	1,143,190	3,648,655	65,759	5,812,887	2,098,473
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	210	558	2,346	11	2,794	1,815,842	4,313,249	6,829,644	119,062	17,555,317	10,606,611
Corsets and allied garments	17	236	1,203	-------	280	715,067	1,357,376	4,236,086	22,299	9,321,985	5,063,600
Dental goods and equipment [1]	10	33	138	-------	160	104,180	158,898	1,456,069	7,454	2,068,504	544,981
Electroplating [2]	80	142	1,027	-------	3,654	438,818	1,840,813	641,623	153,088	4,413,390	3,618,679
Emery wheels and other abrasive and polishing appliances	8	46	139	-------	222	241,927	227,099	858,787	16,730	1,700,866	825,349
Engraving (other than steel, copperplate, or wood), chasing, etching, and dicsinking	24	130	630	-------	871	633,675	900,331	734,802	36,087	3,386,017	2,615,128
Engraving, steel and copperplate, and plate printing	50	235	1,165	208	913	864,088	1,546,607	1,445,975	46,320	6,110,197	4,617,902
Engraving, wood	8	11	72	-------	10	39,196	208,934	39,303	1,734	405,537	364,500
Envelopes	17	230	997	95	1,541	729,406	1,349,302	2,477,262	53,944	6,650,655	4,118,849
Feeds, prepared, for animals and fowls	8	127	261	-------	6,606	390,106	386,022	8,283,954	76,532	10,934,831	2,574,345
Forgings, iron and steel, not made in plants operated in connection with rolling mills	10	156	1,228	375	10,834	657,822	2,357,702	5,255,143	516,623	11,809,727	6,097,961
Foundry and machine-shop products, not elsewhere classified	465	6,254	24,845	9,827	60,093	19,551,485	42,784,375	64,246,453	2,591,771	195,274,673	128,436,349
Furnishing goods, men's, not elsewhere classified	27	118	645	-------	81	448,811	608,409	2,950,224	10,881	4,750,088	1,788,983
Furniture, including store and office fixtures	286	1,776	15,084	10,160	20,112	6,157,872	21,356,229	37,111,909	918,323	83,453,529	45,453,297
Gold leaf and foil	7	6	129	-------	23	16,264	152,373	118,381	1,782	326,655	206,492
Hair work	6	6	18	-------	1	16,543	17,663	32,674	269	92,716	69,773
Hand stamps and stencils and brands	33	146	448	20	355	398,570	613,680	624,874	27,788	2,350,195	1,697,533
Hat and cap materials, men's	5	9	55	-------	8	16,099	62,853	105,188	773	191,976	86,015
House-furnishing goods, not elsewhere classified [2]	101	316	1,645	190	1,900	1,060,158	1,809,740	5,955,734	64,484	11,103,702	5,083,484
Ice cream	38	273	779	-------	9,489	985,329	1,626,487	7,450,550	248,432	18,765,899	11,066,937
Ice, manufactured	58	144	603	1,430	39,436	562,329	1,484,159	183,081	992,131	7,474,648	6,299,436
Ink, printing	30	134	328	33	2,979	582,340	437,759	2,941,662	91,768	6,305,207	3,271,877
Instruments, professional and scientific [2]	39	762	3,982	-------	6,855	1,927,228	5,985,176	4,819,097	208,166	18,331,606	13,304,343
Iron and steel: Steel works and rolling mills	14	1,610	14,306	[3]197,314	[3]126,485	4,929,068	27,543,443	82,972,924	9,848,696	150,514,917	67,693,287
Jewelry	78	316	1,155	-------	612	856,363	1,952,010	3,258,165	39,305	8,446,220	5,148,750
Jewelry and instrument cases	6	24	194	-------	101	106,217	250,524	294,068	7,821	741,241	439,332
Knit goods [1]	28	174	1,292	650	581	472,697	1,391,741	2,972,237	46,795	6,661,253	3,642,221
Labels and tags [2]	15	106	358	43	525	283,201	442,005	901,249	24,385	2,612,656	1,587,022
Leather goods, not elsewhere classified	33	83	483	-------	290	256,183	580,726	1,697,684	16,197	3,392,059	1,678,178
Lithographing	47	570	2,501	1	3,769	2,130,863	4,314,234	4,461,043	138,902	16,239,192	11,639,247
Lumber and timber products, not elsewhere classified	3	27	229	-------	1,424	155,252	333,900	1,006,216	44,667	1,921,195	870,322
Machine tools	11	127	484	610	1,532	437,851	891,862	1,566,250	47,113	3,620,654	2,007,291
Marble, granite, slate, and other stone products	64	193	729	153	7,111	800,939	1,638,639	1,939,598	121,362	5,818,989	3,758,029
Mattresses and bed springs, not elsewhere classified [1]	41	132	1,382	350	2,353	460,835	1,762,243	5,076,568	92,261	9,598,734	4,429,905
Meat packing, wholesale	54	2,526	25,491	52,558	56,131	6,733,290	35,157,648	568,500,331	3,813,695	652,813,610	80,499,584
Millinery [1]	110	491	3,508	775	797	1,542,630	4,588,851	10,170,127	90,680	19,947,859	9,687,052

See footnotes at end of table.

TABLE 14.—GENERAL STATISTICS FOR CHICAGO, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Mirror and picture frames	39	264	2,098	500	3,861	1,016,745	2,642,506	2,595,532	104,427	8,179,742	5,479,783
Mirrors, framed and unframed	21	88	438	150	354	249,558	805,354	1,060,964	30,323	2,576,669	1,485,382
Models and patterns, not including paper patterns	58	56	343	-------	743	170,030	681,601	299,131	19,466	1,729,748	1,411,151
Mucilage, paste, and other adhesives, except glue and rubber cement [1]	10	51	83	-------	263	159,152	102,957	785,281	19,003	1,337,515	533,231
Musical-instrument parts and materials: Piano and organ [4]	12	89	638	765	523	302,172	815,365	1,054,892	68,808	2,956,459	1,832,759
Musical instruments and parts and materials, not elsewhere classified [2]	20	128	596	-------	1,479	363,640	924,577	1,043,336	49,773	3,078,813	1,985,704
Musical instruments: Organs	4	5	11	-------	65	7,509	18,525	20,851	1,029	67,200	45,320
Optical goods [1]	8	28	67	-------	42	75,457	103,816	198,855	3,976	591,263	388,432
Paints and varnishes	82	1,218	3,284	6,002	14,132	3,790,813	4,892,564	46,029,837	772,709	74,615,856	27,813,310
Paper	6	118	783	9,290	5,917	354,399	1,253,002	4,065,343	596,123	8,616,141	3,954,675
Paper goods, not elsewhere classified [1]	27	378	1,427	150	3,406	1,252,285	2,121,622	8,124,515	145,220	17,431,034	9,161,299
Phonographs	11	54	299	-------	459	201,254	437,345	1,298,842	17,822	3,420,115	2,103,431
Photo-engraving, not done in printing establishments	46	729	2,023	-------	1,567	2,487,883	5,371,876	2,179,908	134,537	13,708,414	11,393,969
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	144	809	3,858	8,800	13,544	2,900,124	7,225,421	11,528,583	322,766	26,299,904	14,448,555
Pocketbooks, purses, and carcases [1]	10	61	264	-------	29	129,073	367,298	748,994	2,931	1,552,203	800,275
Printing and publishing, book and job	1,008	7,060	24,043	2,000	32,482	20,819,863	42,671,095	37,135,766	1,409,447	162,834,821	124,289,608
Printing and publishing, music	25	127	94	-------	99	330,922	161,515	220,513	8,895	1,509,808	1,283,400
Printing and publishing, newspaper and periodical	432	10,281	7,472	1,859	21,929	28,286,801	17,866,929	34,056,502	505,576	144,325,632	109,763,554
Printing materials, not including type or ink	13	109	471	-------	1,116	340,056	783,974	929,858	43,234	3,512,302	2,539,210
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint	9	227	842	512	4,134	623,248	1,369,155	10,214,085	349,478	16,446,525	5,882,962
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [1]	60	186	1,096	280	2,999	689,224	1,539,995	13,509,168	146,233	18,537,720	4,882,319
Signs and advertising novelties	134	835	2,301	125	1,984	2,352,250	3,809,381	4,863,023	149,408	16,994,917	11,982,486
Silversmithing and silverware	4	2	16	-------	16	(5)	32,622	38,659	1,081	95,278	55,538
Stationery goods, not elsewhere classified	25	255	823	-------	978	766,606	1,144,675	3,450,259	59,277	9,675,352	6,165,816
Statuary and art goods, factory product [1]	21	105	417	150	202	344,212	831,223	362,481	20,525	2,068,741	1,685,735
Stereotyping and electrotyping, not done in printing establishments [2]	33	233	924	-------	3,368	846,332	2,415,155	684,758	107,325	5,696,862	4,904,779
Stoves and ranges (other than electric) and warm-air furnaces	32	325	1,457	675	1,753	1,330,988	2,479,284	3,708,454	146,250	11,400,730	7,546,026
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	100	751	3,463	2,627	21,866	2,395,659	6,289,414	13,072,995	373,991	29,930,211	16,483,225
Surgical and orthopedic appliances, including artificial limbs [1]	32	349	1,200	425	1,401	1,083,338	1,528,633	3,870,196	59,956	10,126,295	6,196,143
Theatrical scenery and stage equipment	5	15	43	-------	31	44,119	88,746	249,734	3,161	659,286	406,391
Tin cans and other tinware, not elsewhere classified	21	407	2,982	1,210	5,246	879,422	3,838,914	14,417,737	210,499	26,664,558	12,036,322
Trunks, suitcases, and bags [1]	47	188	1,132	150	569	557,637	1,574,521	3,665,965	35,180	6,861,687	3,160,542
Type founding	5	2	17	-------	19	(5)	17,841	29,956	688	82,444	51,770
Umbrellas, parasols, and canes	4	5	47	-------	6	13,251	51,488	278,804	1,000	373,359	112,555
Wall paper	5	42	399	1,143	1,225	103,783	593,616	1,513,037	66,144	3,749,026	2,169,845
Wood turned and shaped and other wooden goods, not elsewhere classified [1]	34	101	663	880	1,361	335,285	941,995	1,063,687	43,078	3,076,652	1,969,887
Other industries [6]	2,588	29,411	144,168	144,830	288,073	83,034,942	216,084,072	642,190,505	63,660,636	1,369,715,198	673,864,057

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The items for each of the industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.

[2] The items for each of the industries covered by this footnote include data for 2 establishments located outside the city, to avoid disclosing the figures reported by the establishments in question.

[3] Includes item for "Iron and steel: Blast furnaces" industry. All data for that industry except those for power are included in the "Other industries" items, to avoid disclosing the figures reported by an individual establishment.

[4] The items for each of the industries covered by this footnote include data for 3 establishments located outside the city, to avoid disclosing approximations of the figures reported by the establishments in question.

[5] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[6] The figures for this item include data for the "Electrical machinery, apparatus, and supplies" industry, which reported a larger number of wage earners than any other industry in the city, but for which separate figures can not be given without disclosing approximations of the data for individual establishments.

INDIANA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	5,091	314,698	1,858,735	882,248	976,487	$418,771,109	$1,403,431,157	$1,280,124,322	$123,306,835	$2,539,893,849	$1,136,462,692
1927	4,726	280,717	1,602,113	850,368	751,745	375,217,514	1,227,168,657	1,100,861,604	126,307,053	2,153,479,432	926,310,875
1925	4,772	280,854	1,420,989	775,091	645,898	365,003,314	1,257,960,617	(4)	(4)	2,125,023,109	867,062,492
1923	4,909	291,131	1,372,007	862,810	509,197	374,509,629	1,190,070,192	(4)	(4)	2,031,674,993	841,604,801
1921	5,109	206,534	(5)	(5)	(5)	251,455,927	826,397,556	(4)	(4)	1,377,772,071	551,374,515
1919	7,916	277,580	1,094,568	720,879	373,689	317,042,997	1,174,950,568	1,084,756,375	90,194,193	1,898,753,387	723,802,819
1914	8,022	197,503	707,982	507,100	200,882	119,258,329	423,857,157	391,162,386	32,694,771	730,795,021	306,937,864
1909	7,969	186,984	631,673	566,125	65,548	95,510,616	334,374,753	316,997,908	17,376,845	579,075,046	244,700,293
1904	7,044	154,174	378,791	369,709	9,082	72,058,099	220,507,007	211,277,000	9,230,007	393,954,405	173,447,398
1899	7,128	139,017	324,239	321,475	2,764	59,280,131	195,162,566	(6)	(6)	337,071,630	141,909,064
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	7.7	12.1	16.0	3.7	29.9	11.6	14.4	16.3	−2.4	17.9	22.7
1925–1927	−1.0	(7)	12.7	9.7	16.4	2.8	−2.4			1.3	6.8
1923–1925	−2.8	−3.5	3.6	−10.2	26.8	−2.5	5.7			4.6	3.0
1921–1923	−3.9	41.0				48.9	44.0			47.5	52.6
1919–1921	−35.5	−25.6				−20.7	−29.7			−27.4	−23.8
1919–1929	−35.7	13.4	69.8	22.4	161.3	32.1	19.4	18.0	36.7	33.8	57.0
1909–1919	−0.7	48.5	73.3	27.3	470.1	231.9	251.4	242.2	419.0	227.9	195.8
1899–1909	11.8	34.5	94.8	76.1	2,271.5	61.1	71.3			71.8	72.4

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.
[7] Less than one-tenth of 1 per cent.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS, AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	3,238,503	5,091	314,698	1,858,735	$418,771,109	$1,403,431,157	$1,280,124,322	$123,306,835	$2,539,893,849	$1,136,462,692
Industrial Areas										
Chicago Area,[3] total	4,675,877	11,774	550,903	2,729,674	869,218,189	3,009,840,883	2,814,605,897	195,234,986	5,558,331,242	2,548,490,359
Portion in Indiana (Lake County)	261,310	290	50,328	873,749	88,679,154	506,255,982	425,032,100	83,223,882	803,871,186	295,615,204
Portion in Illinois	4,414,567	11,484	500,575	1,855,925	780,539,035	2,501,584,901	2,389,573,797	112,011,104	4,754,460,056	2,252,875,155
Indianapolis Area (coextensive with Marion County) [4]	422,666	917	51,117	154,110	67,712,913	238,443,585	230,491,039	7,952,546	428,362,004	189,918,419
Counties in Indiana [5]										
Adams	19,957	42	1,308	4,813	1,540,259	4,787,920	4,572,275	215,645	8,907,194	4,119,274
Allen	146,743	209	23,306	77,523	32,909,378	70,715,215	67,917,215	2,798,000	140,855,093	70,139,878
Bartholomew	24,864	56	2,035	5,330	1,935,129	5,834,359	5,650,131	184,228	12,606,624	6,772,265
Benton	11,886	7	60	246	62,919	106,172	101,054	5,118	295,196	189,024
Blackford	13,617	25	1,317	7,352	1,440,855	5,421,072	4,992,165	428,907	9,337,452	3,916,380
Boone	22,290	32	613	2,032	574,592	2,070,205	2,003,209	66,996	3,282,950	1,212,745
Carroll	15,049	18	134	798	136,574	323,714	307,142	16,572	616,175	292,461
Cass	34,518	55	1,405	5,957	1,720,943	4,682,492	4,546,415	136,077	8,849,796	4,167,304
Clark	30,764	35	1,950	15,244	2,404,614	8,487,574	7,886,895	600,679	19,003,203	10,515,629
Clay	26,479	37	1,775	6,813	2,040,475	1,793,078	1,146,264	646,814	5,982,098	4,189,020
Clinton	27,329	39	1,355	5,079	1,542,595	5,063,539	4,839,219	224,320	8,578,986	3,515,447
Crawford	10,160	13	90	731	58,887	199,887	197,710	2,177	363,309	163,422
Daviess	25,832	33	1,274	2,798	1,484,150	2,574,606	2,487,906	86,700	4,894,178	2,319,572
Dearborn	21,056	41	1,649	6,414	1,858,143	7,848,218	7,614,101	234,117	13,137,740	5,289,522
Decatur	17,308	19	325	1,565	333,276	979,482	931,929	47,553	1,699,389	719,907
Delaware [6]	67,270	123	10,720	56,225	13,963,454	34,388,724	32,165,315	2,223,409	70,581,563	36,192,839
Duhois	20,553	54	1,500	5,231	1,421,533	4,005,815	3,862,671	113,144	7,067,714	3,091,899
Elkhart [6]	68,875	163	8,578	25,457	11,436,501	20,966,076	20,078,093	887,983	47,712,375	26,746,299
Fayette	19,243	35	2,898	8,030	3,698,124	6,738,328	6,436,964	301,364	14,150,071	7,411,743
Floyd	34,655	72	3,493	14,309	3,522,505	12,141,660	11,823,170	318,490	21,402,362	9,260,702
Fountain	17,971	23	628	4,045	767,996	899,593	696,558	203,035	2,444,462	1,544,869
Franklin	14,498	12	166	1,297	152,638	315,820	274,436	41,384	683,631	367,811
Fulton	15,038	25	297	1,556	328,371	2,353,990	2,297,625	56,365	3,405,675	1,051,685
Gibson	29,202	25	962	5,382	1,372,879	2,366,202	2,272,196	94,006	4,685,159	2,318,957
Grant	51,066	117	6,173	20,412	6,270,338	23,815,342	22,647,686	1,167,656	42,855,137	19,039,795
Greene	31,481	32	530	1,430	553,983	1,113,662	1,062,344	51,318	2,247,440	1,133,778
Hamilton	23,444	30	920	6,997	901,644	4,704,306	4,492,207	212,099	6,675,778	1,971,472
Hancock	16,605	20	231	951	192,831	394,078	355,504	38,574	795,248	401,170
Harrison	17,254	23	435	3,285	398,187	837,091	746,176	90,915	1,688,201	851,110
Hendricks	19,725	12	43	716	41,364	125,490	119,103	6,387	240,637	115,147
Henry	35,238	49	4,004	20,246	4,903,171	10,104,458	9,286,037	818,421	20,720,511	10,616,053
Howard	46,696	84	6,668	56,931	8,733,760	16,398,953	14,005,507	2,393,446	35,992,895	19,593,942
Huntington	29,073	59	2,032	6,267	2,271,701	5,182,738	4,983,626	199,112	11,407,509	6,224,771
Jackson	23,731	52	1,665	5,281	1,224,257	4,638,468	4,470,937	167,531	8,027,663	3,389,195
Jasper	13,388	10	24	204	26,429	171,416	167,417	3,999	254,277	82,861
Jay	20,846	28	1,589	5,102	1,507,752	3,526,360	3,097,973	428,387	7,000,993	3,474,633
Jefferson	19,182	35	467	2,894	371,699	1,600,847	1,535,323	65,524	2,584,847	984,000
Jennings	11,800	22	288	1,043	254,480	925,629	901,039	24,590	1,506,927	581,298
Johnson	21,706	38	1,128	4,196	1,121,994	2,956,201	2,854,964	101,237	5,875,994	2,915,793
Knox	43,813	55	1,686	5,599	1,535,371	6,633,970	6,395,233	238,737	11,130,120	4,496,150
Kosciusko	27,488	38	894	2,733	870,828	2,198,557	2,063,505	135,052	4,183,459	1,984,902
Lagrange	13,780	12	91	5,111	146,574	285,358	114,613	170,745	853,077	567,719
Lake [3] [6]	261,310	290	50,328	873,749	88,679,154	506,255,982	425,032,100	83,223,882	803,871,186	295,615,204
La Porte	60,103	104	7,204	30,933	10,412,335	31,697,024	30,805,632	891,392	57,718,420	26,021,396
Lawrence	35,583	38	3,064	26,144	4,503,493	4,408,457	3,750,502	657,955	15,882,106	11,473,649
Madison	82,888	140	15,962	56,010	18,731,429	43,405,659	41,379,434	2,026,225	102,708,881	59,303,222
Marion (coextensive with Indianapolis Area) [6]	422,666	917	51,117	154,110	67,712,913	238,443,585	230,491,039	7,952,546	428,362,004	189,918,419
Marshall	25,077	38	951	2,950	970,056	3,121,425	3,000,512	120,913	5,233,029	2,111,604
Martin	10,103	13	273	610	236,460	485,211	466,378	18,833	1,000,353	515,142
Miami	29,032	48	1,973	5,076	2,206,961	4,268,193	4,122,414	145,779	8,592,763	4,324,570
Monroe	35,974	46	3,229	19,196	4,272,988	7,140,650	6,697,091	443,559	17,324,781	10,184,131
Montgomery	26,980	40	1,277	5,036	1,277,585	3,352,995	3,094,893	258,102	6,436,513	3,083,518
Morgan	19,424	32	732	3,090	748,174	1,931,498	1,776,904	154,594	3,856,850	1,925,352
Newton	9,841	9	39	103	41,021	522,869	517,122	5,747	733,434	210,565
Noble	22,404	42	980	2,918	1,205,821	2,695,838	2,613,187	82,651	7,145,808	4,449,970
Ohio	3,747	6	95	365	61,593	107,506	103,940	3,566	215,795	108,289
Orange	17,459	20	340	2,285	300,082	1,021,230	987,935	33,295	1,866,547	845,317
Owen	11,351	9	84	380	79,983	72,734	71,254	1,480	195,952	123,218
Parke	16,561	17	457	2,275	489,165	492,741	306,587	186,154	1,278,335	785,594
Perry	16,625	27	1,474	5,029	1,211,791	2,424,564	2,304,601	119,963	4,968,131	2,543,567
Pike	16,361	12	47	321	39,047	103,099	96,813	6,286	211,382	108,283
Porter	22,821	32	767	2,367	993,314	1,979,102	1,888,772	90,330	4,710,165	2,731,063
Posey	17,853	18	338	4,951	376,536	2,761,178	2,673,884	87,294	3,857,532	1,096,354
Pulaski	11,195	14	198	419	151,195	574,600	564,122	10,478	972,802	398,202
Putnam	20,448	21	587	14,575	732,801	1,843,653	1,291,494	552,159	3,984,089	2,140,436
Randolph	24,859	37	1,143	2,928	1,187,789	2,968,065	2,731,267	236,798	5,799,864	2,831,799
Ripley	18,078	38	957	3,354	1,017,288	2,338,067	2,278,982	59,085	4,708,188	2,370,121
Rush	19,412	37	823	5,525	900,299	2,769,684	2,598,828	170,856	4,514,118	1,744,434
St. Joseph	160,033	236	31,400	73,652	43,690,795	93,150,654	90,047,891	3,102,163	191,580,370	98,430,316
Shelby	26,552	53	2,146	7,245	1,960,406	4,586,592	4,403,785	182,807	9,409,883	4,823,293

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties in Indiana [5]—Continued										
Spencer	16,713	18	241	1,384	$212,011	$868,359	$827,022	$41,337	$1,377,557	$509,198
Starke	10,620	11	105	108	99,887	176,936	169,297	7,639	409,975	233,039
Steuben	13,386	20	95	620	109,849	856,843	829,078	27,765	1,193,650	336,807
Sullivan	28,133	13	91	743	113,307	390,480	372,510	17,970	779,678	389,198
Switzerland	8,432	5	20	97	18,945	33,360	31,082	2,278	70,864	37,504
Tippecanoe	47,535	57	2,852	10,128	3,692,177	8,904,011	8,344,180	559,831	18,030,061	9,126,050
Tipton	15,208	25	768	2,003	862,488	1,724,391	1,659,486	64,905	3,257,160	1,532,769
Union	5,880	10	37	382	36,693	183,410	175,999	7,411	344,563	161,153
Vanderburg [6]	113,320	223	15,917	47,962	17,780,260	52,614,338	51,294,678	1,319,660	99,640,166	47,025,828
Vermillion	23,238	23	573	2,778	636,343	856,270	754,646	101,624	1,863,325	1,007,055
Vigo	98,861	142	6,985	35,177	8,990,706	27,280,182	24,524,485	2,755,697	48,809,567	21,529,385
Wabash	25,170	47	1,584	9,861	1,678,128	5,062,662	4,754,391	308,271	9,280,233	4,217,571
Warrick	18,230	20	221	767	126,963	525,790	515,150	10,640	961,435	435,645
Washington	16,285	20	603	1,415	595,590	1,747,703	1,704,891	42,812	3,573,507	1,825,804
Wayne	54,809	98	6,765	17,912	8,203,808	17,014,550	16,361,571	652,979	37,384,128	20,369,578
Wells	18,411	20	353	1,417	339,075	1,067,607	1,026,830	40,777	1,878,810	811,203
White	15,831	21	259	849	199,231	979,439	943,408	36,031	1,486,285	506,846
Whitley	15,931	26	603	1,839	653,510	2,168,904	2,116,390	52,514	3,887,345	1,718,441
All other counties (Brown, De Kalb, Scott, and Warren)	45,910	49	1,985	4,029	2,196,906	23,377,002	23,192,013	184,989	33,913,149	10,536,147
Cities in Indiana having 10,000 inhabitants or more [7]										
Anderson	39,804	90	12,895	42,325	15,053,968	34,527,392	33,385,037	1,142,355	85,995,631	51,468,239
Bedford	13,208	22	2,218	19,250	3,540,312	3,639,823	3,298,800	341,023	12,633,201	8,993,378
Bloomington	18,227	26	2,190	11,073	2,579,825	5,125,495	4,877,070	248,425	10,857,771	5,732,276
Connersville	12,795	32	2,879	7,838	3,682,440	6,723,356	6,426,064	297,292	14,104,094	7,380,738
Crawfordsville	10,355	34	1,101	3,869	1,099,364	3,174,491	2,998,655	175,836	6,016,286	2,841,795
East Chicago	54,784	76	12,409	122,201	22,115,540	132,907,801	121,923,196	10,984,605	213,987,668	81,079,867
Elkhart	32,949	88	5,854	16,100	8,263,113	11,594,985	10,984,173	610,812	31,437,980	19,842,995
Elwood	10,685	20	1,933	10,599	2,453,373	6,663,970	6,177,043	486,927	12,106,231	5,442,261
Evansville [8]	102,249	212	13,981	42,564	14,858,892	49,233,299	48,087,134	1,146,165	90,866,491	41,633,192
Fort Wayne	114,946	180	21,311	64,409	29,849,868	60,010,799	57,559,466	2,451,333	121,567,164	61,556,365
Frankfort	12,196	30	931	3,462	1,111,179	4,137,376	3,990,618	146,758	6,294,166	2,156,790
Goshen	10,397	48	1,800	6,624	1,998,076	4,870,149	4,691,890	178,259	9,077,017	4,206,868
Hammond	64,560	85	6,817	44,386	10,640,318	44,607,833	43,047,043	1,560,790	71,467,589	26,859,756
Huntington	13,420	40	1,840	4,829	2,078,748	4,622,844	4,466,616	156,228	10,331,075	5,708,231
Indianapolis [8]	364,161	897	47,603	140,464	62,331,906	227,894,007	220,455,626	7,438,381	408,335,696	180,441,689
Jeffersonville	11,946	20	910	4,712	1,295,849	2,438,571	2,302,970	135,601	4,890,403	2,451,832
Kokomo	32,843	73	6,304	55,237	8,223,103	15,751,055	13,445,518	2,305,537	34,474,210	18,703,155
La Fayette	26,240	50	1,607	6,218	2,022,094	6,111,759	5,676,437	435,322	12,276,966	6,165,207
La Porte	15,755	53	3,033	7,432	4,017,866	7,360,619	6,994,929	365,690	18,820,671	11,460,052
Logansport	18,508	46	1,062	3,360	1,317,180	3,301,222	3,218,829	82,393	6,565,365	3,264,143
Marion	24,496	79	4,833	13,689	4,926,375	20,158,730	19,504,747	653,983	35,209,425	15,050,695
Michigan City	26,735	42	3,951	22,651	6,068,985	23,493,581	23,010,080	483,501	37,042,285	13,548,704
Mishawaka	28,630	30	5,595	16,820	7,477,658	10,523,453	9,986,099	537,354	27,640,080	17,116,627
Muncie	46,548	105	10,269	51,166	13,456,011	30,939,891	28,960,040	1,979,851	65,751,613	34,811,722
New Albany	25,819	62	2,705	10,517	2,666,168	6,958,371	6,684,483	273,888	12,902,530	5,944,159
New Castle	14,027	26	3,061	14,941	3,783,048	6,986,118	6,411,371	574,747	15,345,987	8,359,869
Peru	12,730	34	1,139	2,702	1,133,741	2,646,694	2,558,265	88,429	5,194,135	2,547,441
Richmond	32,493	78	5,431	14,695	6,933,993	14,362,418	13,833,182	529,236	30,419,970	16,057,552
Shelbyville	10,618	38	1,365	5,390	1,350,271	2,776,632	2,637,148	139,484	5,877,362	3,100,730
South Bend	104,193	193	25,726	56,483	36,116,226	82,420,915	79,873,331	2,547,584	163,378,462	80,957,547
Terre Haute	62,810	116	3,224	22,981	3,800,464	18,448,786	17,718,993	729,793	30,337,473	11,888,687
Vincennes	17,564	42	997	3,667	884,736	4,829,687	4,686,072	143,615	7,500,865	2,671,178

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Chicago Industrial Area comprises Cook, Du Page, Kane, Lake, and Will Counties, Ill., and Lake County, Ind.
[4] For statistics by industries for this area, see Table 13.
[5] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
[6] For statistics by industries for this county, see Table 13.
[7] Not including Gary and Whiting, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication in order to avoid disclosing approximations of the data for individual establishments.
[8] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	362,453	298,668	63,785	2,565	2,463	102	[2] 4,391	[2] 4,175	[2] 216	[2] 40,799	[2] 29,144	[2] 11,655	314,698	[2] 262,886	[2] 51,812
1919 [1,4]	330,145	276,294	53,851	6,763	6,506	262	4,015	3,848	167	41,782	30,135	11,647	277,580	235,805	41,775
1914 [4]	233,270	201,481	31,789	7,229	6,941	288	3,072	2,985	87	25,466	19,819	5,647	197,503	171,736	25,767
1909	218,263	190,684	27,579	7,674	7,425	249	2,621	2,577	44	20,984	16,984	4,000	186,984	163,698	23,286

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrativa offices, as follows: Principal salaried officers of corporations—total, 197; male, 187; female, 10. Other salaried officers and employees—total, 1,613; male, 918; female, 695. The corresponding data for 1919 and earlier years are included in the respective items for those years hut were not tahulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed hy the use of ratios hetween numhers of male and of female wage earners reported for Dec. 14. Sea GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automohile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners hy months for individual industries, hy States, are given in the industry reports as published separately and in Volume II. The month of maximum amployment is indicated hy hold-faced figures and that of minimum employment hy *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	314,698	296,749	305,424	316,351	318,875	322,256	324,373	322,986	325,728	**334,493**	326,907	299,224	*283,010*	84.6
1919 [1]	277,580	266,959	264,261	*261,725*	262,973	267,312	272,593	278,232	285,726	**294,892**	288,486	293,484	294,317	88.8
1914 [1]	197,503	196,936	198,650	203,312	205,317	203,442	203,167	199,301	201,206	**208,040**	195,460	180,266	*176,839*	85.9
1909 [1]	186,984	*172,475*	177,371	181,151	182,641	182,228	183,167	175,838	183,311	198,293	**201,431**	199,937	200,915	85.6

[1] Tha figures for 1919 and 1914 include data for the "Automohile repairing" industry, which was not canvassed in aither tha 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[Tha data for each establishment are classified as a total according to the customary hours of lahor in that establishment, even though a few employees may have worked a larger or a smaller numher of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for tha year)
All classes	5,091	314,698	45 and over hut under 48	250	12,624
			48	593	64,048
Not reported	454	1,378	Over 48 hut under 54	1,147	122,797
Under 40	115	1,850	54	424	15,939
40	94	9,170	Over 54 hut under 60	659	53,468
Over 40 hut under 44	20	235	60 and over	832	19,142
44 and over hut under 45	503	14,047			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	5,091	7,916	7,969	314,698	277,580	186,984	51 to 100	376	378	332	27,614	27,240	23,846
							101 to 250	348	331	231	53,546	51,531	36,520
No wage earners	118	858	692				251 to 500	122	110	68	42,189	38,386	23,372
1 to 5	2,064	4,115	4,421	5,997	8,745	9,840	501 to 1,000	62	51	40	41,249	36,666	27,242
6 to 20	1,298	1,381	1,545	14,302	15,438	16,841	1,001 to 2,500	32	39	16	46,594	78,221	28,135
21 to 50	660	653	624	22,147	21,353	20,588	2,501 and over	11			61,060		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	5,091	7,916	7,969	314,698	277,580	186,984	$2,539,893,849	$1,898,753,387	$579,075,046	$1,136,462,692	$723,802,819	$244,700,293
Less than $5,000	(2)	1,964	3,086	(2)	1,520	4,335	(2)	5,008,992	7,339,368	(2)	3,077,614	4,513,557
$5,000 to $19,999	1,495	2,346	2,400	4,067	6,419	11,806	17,209,471	25,007,804	24,495,478	10,423,931	13,137,506	13,033,825
$20,000 to $99,999	1,778	1,963	1,627	16,412	20,425	30,944	85,928,481	91,904,578	73,582,168	48,009,459	41,922,190	33,797,243
$20,000 to $49,999	1,051	(3)	(3)	6,726	(3)	(3)	34,282,349	(3)	(3)	19,065,830	(3)	(3)
$50,000 to $99,999	727	(3)	(3)	9,686	(3)	(3)	51,646,132	(3)	(3)	28,913,629	(3)	(3)
$100,000 to $499,999	1,130	1,086		50,428	53,434		265,498,863	245,150,178		137,672,655	111,847,257	
$100,000 to $249,999	696	(3)		20,538	(3)		109,475,877	(3)		58,372,596	(3)	
$250,000 to $499,999	434	(3)	764	29,890	(3)	83,346	156,022,986	(3)	200,978,938	79,300,059	(3)	92,184,974
$500,000 to $999,999	330	255		39,202	34,373		230,270,864	174,838,472		114,054,313	77,126,780	
$1,000,000 and over	358	302	92	204,589	161,409	56,553	1,940,986,170	1,356,843,363	272,679,094	826,302,334	476,691,472	101,170,694
$1,000,000 to $2,499,999	210	(3)	(3)	49,587	(3)	(3)	319,932,730	(3)	(3)	151,868,643	(3)	(3)
$2,500,000 to $4,999,999	77	(3)	(3)	35,849	(3)	(3)	265,397,855	(3)	(3)	131,033,088	(3)	(3)
$5,000,000 and over	71	(3)	(3)	119,153	(3)	(3)	1,355,655,585	(3)	(3)	543,400,603	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	5,091	7,916	314,698	277,580	$2,539,893,849	$1,898,753,387	$1,136,462,692	$723,802,819
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	2,950	2,963	298,896	254,627	2,448,805,641	1,774,635,258	1,092,683,421	671,500,850
Other forms of ownership or control (individual, partnership, etc.)	2,141	4,953	15,802	22,953	91,088,208	124,118,129	43,779,271	52,301,969
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	830	(1)	182,135	(1)	1,658,594,410	(1)	694,853,824	(1)
Independent (single-unit)	4,261	(1)	132,563	(1)	881,299,439	(1)	441,608,868	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS, DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	1,858,735	882,248	2,000	255,126	300	457,346	250	163,456	58	6,320	107,862	976,487	31,403	880,156
1927	1,602,113	850,368	2,084	267,725	296	411,331	349	164,329	90	6,983	77,271	751,745	32,051	822,553
1925	1,420,989	775,091	2,399	311,718	209	292,361	339	163,210	132	7,802	62,590	645,898	32,742	633,770
1919 [1]	1,094,568	720,879	3,402	367,321	207	154,125	1,003	189,271	158	10,162	36,392	373,689	16,581	279,065
1914 [1]	707,982	507,100	[2] 4,468	[2] 430,504	(2)	(2)	1,132	66,691	182	9,905	16,935	200,882	10,554	249,475
Industrial Areas														
Chicago Area, total	2,729,674	1,292,677	1,974	493,594	430	542,442	307	252,647	48	3,994	167,365	1,436,997	49,405	1,116,899
Portion in Indiana (Lake County)	873,749	540,680	247	47,352	115	336,853	94	156,475			13,493	333,069	11,357	651,036
Portion in Illinois (Cook, Du Page, Kane, Lake, and Will Counties)	1,855,925	751,997	1,727	446,242	315	205,589	213	96,172	48	3,994	153,872	1,103,928	38,048	465,863
Indianapolis Area (coextensive with Marion County)	154,110	36,473	165	25,237	21	10,642	7	594			18,173	117,637	2,217	21,527
Counties in which aggregate horsepower exceeded 25,000: 1929														
Allen	77,523	8,801	34	3,246	13	5,428	3	127			15,970	68,722	539	5,537
Delaware	56,225	7,558	48	5,594	5	1,714	4	250			7,111	48,667	408	5,349
Elkhart	25,457	6,781	36	3,930	2	2,666	3	185			3,494	18,676	363	3,574
Howard	56,931	19,382	17	2,624	3	16,500	4	258			1,830	37,549	521	12,174
Lake	873,749	540,680	247	47,352	115	336,853	94	156,475			13,493	333,069	11,357	651,036
La Porte	30,933	9,198	20	4,814	6	3,825	13	559			2,430	21,735	835	7,165
Lawrence	26,144	4,832	17	4,662	2	170					899	21,312	126	4,243
Madison	56,010	27,066	82	21,531	8	5,120	4	415			7,955	28,944	814	9,672
Marion	154,110	36,473	165	25,237	21	10,642	7	594			18,173	117,637	2,217	21,527
St. Joseph	73,652	47,433	48	9,045	37	33,484	2	44	28	4,860	4,532	26,219	4,883	63,448
Vanderburg	47,962	16,472	86	12,929	7	3,377	5	166			3,599	31,490	1,501	12,483
Vigo	35,177	22,123	88	[4] 14,733	17	7,334	1	(4)	2	56	1,718	13,054	717	9,947

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	1,858,735	882,248	976,487	880,156
Adams	4,513	2,096	2,717	478
Allen	77,323	8,801	68,722	5,537
Bartholomew	5,330	1,155	4,175	235
Benton	246	83	163	----------
Blackford	7,352	4,779	2,573	4,119
Boone	2,032	1,098	934	142
Carroll	788	472	326	200
Cass	5,997	1,630	4,367	1,242
Clark	15,244	9,416	5,828	13,240
Clay	6,813	2,535	4,278	466
Clinton	5,079	372	4,707	----------
Crawford	731	682	49	62
Daviess	2,798	900	1,898	40
Dearborn	6,414	4,430	1,984	2,164
Decatur	1,565	945	620	----------
Delaware	56,225	7,558	48,667	5,349
Dubois	5,231	2,518	2,713	673
Elkhart	25,457	6,781	18,676	3,574
Fayette	8,030	2,008	6,022	3,294
Floyd	14,309	8,841	5,468	3,557
Fountain	4,045	294	3,751	----------
Franklin	1,297	1,221	76	375
Fulton	1,556	350	1,206	----------
Gibson	5,382	1,446	3,936	850
Grant	20,412	4,849	15,563	639
Greene	1,430	866	564	----------
Hamilton	6,997	5,685	1,312	2,435
Hancock	951	613	338	90
Harrison	3,285	701	2,584	426
Hendricks	716	450	266	----------
Henry	20,246	6,455	13,791	3,973
Howard	56,931	19,382	37,549	12,174
Huntington	6,267	1,885	4,382	657
Jackson	5,281	3,028	2,253	679
Jasper	204	27	177	----------
Jay	5,102	1,395	3,707	114
Jefferson	2,894	1,964	930	----------
Jennings	1,043	475	568	300
Johnson	4,199	682	3,517	513
Knox	5,599	3,912	1,687	1,206
Kosciusko	2,733	681	2,052	282
Lagrange	5,111	4,987	124	2,550
Lake	873,749	540,680	333,069	651,036
La Porte	30,933	9,198	21,735	7,165
Lawrence	26,144	4,832	21,312	4,243
Madison	56,010	27,066	28,944	9,672
Marion	154,110	36,473	117,637	21,527
Marshall	2,950	833	2,117	----------
Martin	610	320	290	280
Miami	5,076	1,387	3,689	243
Monroe	19,196	1,920	17,276	2,418
Montgomery	5,036	754	4,282	83
Morgan	3,090	1,344	1,746	61
Newton	103	33	70	----------
Noble	2,918	1,297	1,621	1,273
Ohio	365	195	170	314
Orange	2,285	1,911	374	980
Owen	380	332	48	----------
Parke	2,275	2,152	123	50
Perry	5,029	3,534	1,495	1,049
Pike	321	140	181	----------
Porter	2,367	122	2,245	(2)
Posey	4,951	4,790	161	1,182
Pulaski	419	36	383	----------
Putnam	14,575	636	13,939	----------
Randolph	2,928	1,061	1,867	300
Ripley	3,354	1,512	1,842	1,120
Rush	5,825	4,050	1,775	2,845
St. Joseph	73,652	47,433	26,219	63,448
Shelby	7,245	2,916	4,329	1,195
Spencer	1,384	1,157	227	288
Starke	108	21	87	----------
Steuben	620	189	431	60
Sullivan	743	551	192	680
Switzerland	97	88	9	----------
Tippecanoe	10,128	1,418	8,710	110
Tipton	2,003	818	1,185	----------
Union	382	336	46	----------
Vanderburg	47,962	16,472	31,490	12,483
Vermillion	2,778	1,470	1,308	347
Vigo	35,177	22,123	13,054	9,947
Wabash	9,861	3,509	6,352	(2)
Warrick	767	224	543	----------
Washington	1,415	866	549	200
Wayne	17,912	4,801	13,111	13,336
Wells	1,417	192	1,225	----------
White	849	441	408	----------
Whitley	1,839	847	992	501
All other counties (Brown, De Kalb, Scott, and Warren)	4,029	1,320	2,709	85

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately, to avoid disclosing data for individual establishments.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume 1, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	16,841,908	$67,664,637	16,740,155	17,120,843	13,612,411	10,293,600	6,375,641
Anthracite (tons, 2,240 lbs.)	105,178	554,294	(3)	55,724	31,099	16,761	16,800
Bituminous (tons, 2,000 lbs.)	16,724,109	67,110,343	(3)	[4] 17,024,832	13,577,580	10,274,828	6,356,825
Coke (tons, 2,000 lbs.)	4,420,219	22,065,619	(5)	(5)	2,693,061	1,172,542	930,397
Fuel oils, including crude oils and gas oils (gallons [6])	308,154,975	10,642,998	(5)	(5)	114,307,032	32,437,272	31,214,190
Gasoline and kerosene (gallons) [6]	999,490	155,608	(5)	(5)	2,907,450		
Gas, natural (M cu. ft.)	3,161,102	1,266,435	(5)	(5)	2,368,659	1,489,430	1,247,053
Gas, manufactured (M cu. ft.)	204,579,000	12,580,975	(5)	(5)			
Other fuels		2,240,001	(5)	(5)	(5)	(5)	(5)
Electric energy purchased (kilowatt-hours)	1,063,553,055	15,258,635	(7)	(5)	(5)	(5)	(5)
Total cost of fuel and purchased energy		[8] 131,904,881	Cost $125,307,053	Cost (5)	Cost $90,194,193	Cost $32,694,771	Cost $17,376,845

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] Revised.
[5] No data.
[6] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[7] Data incomplete.
[8] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[9] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	5,091	[3]45,190	314,698	882,248	976,487	[3]115,415,151	418,771,109	1,280,124,322	123,306,835	2,539,993,849	1,136,462,692
Agricultural implements	18	549	3,670	4,492	3,553	1,335,303	5,074,203	7,163,509	342,936	22,766,953	15,260,508
Awnings, tents, sails, and canvas covers	21	64	205	-------	125	160,432	237,951	706,120	8,231	1,388,808	674,457
Baskets and rattan and willow ware, not including furniture	14	60	957	1,345	446	159,430	626,849	501,289	23,582	1,962,578	1,437,707
Belting, leather	6	33	66	-------	191	53,553	69,780	343,993	4,489	598,045	249,563
Beverages	132	176	579	450	1,767	402,694	769,722	1,814,371	109,644	4,766,998	2,842,983
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	8	106	1,012	612	4,249	312,232	1,441,813	3,644,398	220,679	7,470,012	3,604,935
Bookbinding and blank-book making	13	26	110	-------	139	51,502	147,858	156,035	5,103	469,968	308,830
Boots and shoes, other than rubber	7	156	1,591	760	511	306,055	1,332,527	4,084,154	54,582	7,658,202	3,519,556
Boxes, paper, not elsewhere classified	26	406	2,198	450	2,986	810,060	2,365,769	8,478,212	143,021	14,451,474	5,870,241
Boxes, wooden, except cigar boxes	23	63	614	923	1,391	143,700	583,376	1,613,432	28,579	2,853,985	1,211,974
Bread and other bakery products	496	501	5,055	646	15,473	1,269,778	6,343,609	17,035,720	781,483	34,502,346	16,685,143
Brooms	14	48	314	191	207	94,564	251,315	591,007	13,362	1,255,505	651,136
Brushes, other than rubber	5	61	145	-------	198	119,978	132,110	356,224	4,730	864,065	503,111
Butter	98	301	875	1,274	4,999	513,685	1,049,465	22,433,337	239,914	26,982,733	4,309,482
Buttons	5	7	191	-------	76	10,528	141,538	77,679	3,698	347,643	266,866
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	156	529	4,877	8,810	6,284	785,153	3,241,397	22,948,559	369,025	33,708,690	10,391,106
Car and general construction and repairs, electric-railroad repair shops	25	81	983	-------	1,246	151,310	1,209,434	770,065	31,045	2,168,531	1,367,421
Car and general construction and repairs, steam-railroad repair shops	92	1,350	15,001	8,767	28,867	3,487,906	25,146,621	20,236,226	1,138,466	50,009,319	28,634,627
Carriage, wagon, sleigh, and sled materials	4	6	48	330	297	18,300	37,818	42,553	4,257	150,665	103,455
Carriages and sleds, children's	6	51	424	300	1,006	125,796	440,400	791,456	34,763	1,620,689	794,470
Carriages, wagons, sleighs, and sleds	7	36	252	475	309	78,847	270,870	710,126	10,014	1,305,143	585,003
Cars, electric and steam railroad, not built in railroad repair shops	9	805	5,438	11,558	29,686	1,663,210	9,125,127	38,301,620	733,919	55,211,532	16,175,993
Caskets, coffins, burial cases, and other morticians' goods	22	119	659	750	1,047	360,034	649,258	1,685,355	39,017	3,347,509	1,623,137
Cheese	22	19	80	34	432	30,707	79,001	2,002,117	22,703	2,365,789	340,969
Chemicals, not elsewhere classified	9	277	1,174	3,905	6,125	582,355	1,901,379	7,412,502	627,983	13,798,041	5,757,556
Cigars and cigarettes	31	96	3,238	600	126	346,685	1,924,509	3,928,165	20,057	8,653,304	4,705,082
Clay products (other than pottery) and non-clay refractories	77	437	4,985	10,106	16,269	1,121,707	5,765,872	1,876,451	2,230,173	15,947,525	11,840,901
Cleaning and polishing preparations	7	22	54	75	154	42,332	50,734	260,179	7,311	647,125	379,635
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	25	209	2,236	-------	677	411,375	1,946,270	3,283,344	36,309	7,465,434	4,145,781
Clothing, women's, not elsewhere classified	18	249	1,524	-------	273	445,490	1,020,274	2,662,793	22,394	5,121,196	2,436,009
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	29	193	2,954	150	760	505,260	2,164,832	5,960,317	59,343	9,947,993	3,928,333
Coffee and spice, roasting and grinding	19	36	75	120	287	88,212	78,236	1,870,515	17,601	2,530,557	642,441
Coke, not including gas-house coke	4	160	1,601	7,795	7,016	444,891	2,745,824	775,128	37,711,535	53,261,243	14,774,580
Compressed and liquefied gases	9	128	97	122	2,091	251,151	156,309	677,741	90,083	1,750,879	983,045
Concrete products	100	118	532	279	1,780	245,946	713,912	1,161,880	59,821	3,254,175	2,032,474
Condensed and evaporated milk	16	36	233	1,245	1,175	78,412	256,218	5,135,880	110,519	6,271,681	1,025,282
Confectionery	45	201	1,139	120	1,290	403,302	902,657	2,781,359	79,703	5,248,122	2,387,060
Cooperage	14	12	121	360	162	15,564	152,504	572,674	12,077	858,443	273,692
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	46	104	614	-------	970	338,529	856,193	1,616,602	31,572	3,696,810	2,048,636
Corsets and allied garments	5	40	463	-------	102	81,943	427,956	1,067,564	9,055	2,756,898	1,650,279
Cotton goods	3	24	698	3,213	-------	82,991	502,852	1,506,726	47,155	2,351,528	797,647
Dairymen's supplies; creamery, cheese-factory, and hutter-factory equipment; and poultrymen's and apiarists' supplies	6	35	199	-------	214	82,085	162,014	421,702	8,480	918,409	488,227
Electrical machinery, apparatus, and supplies	57	2,855	20,757	6,305	48,508	6,522,686	25,782,978	55,463,432	1,402,796	133,352,549	76,486,321
Electroplating	19	37	283	-------	1,069	143,610	408,386	122,646	40,315	1,013,758	850,797
Engines, turbines, tractors, and water wheels	7	150	830	2,436	299	291,457	1,137,436	1,488,866	136,386	3,514,627	1,889,375
Engraving, steel and copperplate, and plate printing	9	31	154	-------	93	51,884	141,206	187,157	3,883	526,196	335,156
Fancy and miscellaneous articles, not elsewhere classified	5	11	40	-------	121	25,732	34,847	32,928	2,356	143,633	108,349
Feeds, prepared, for animals and fowls	22	189	291	545	4,783	415,296	386,637	10,740,172	92,517	13,855,049	3,022,360
Fertilizers	11	80	259	45	2,438	201,297	273,214	3,328,197	23,861	4,992,676	1,640,618
Flavoring extracts and flavoring sirups	5	28	49	-------	35	64,497	77,199	445,598	1,644	1,209,869	762,627
Flour and other grain-mill products	165	332	963	11,787	11,715	769,742	1,208,917	24,748,024	320,921	30,116,049	5,047,104
Forgings, iron and steel, not made in plants operated in connection with rolling mills	6	111	1,395	75	8,799	391,461	2,512,556	5,845,591	714,527	11,499,923	4,939,805
Foundry and machine-shop products, not elsewhere classified	332	4,272	26,222	9,876	77,880	12,668,451	36,878,323	56,373,443	3,469,299	153,406,243	93,563,501
Fur goods	10	31	70	-------	19	85,888	88,685	247,516	3,598	543,144	292,030
Furnishing goods, men's, not elsewhere classified	8	121	1,778	800	217	213,860	1,285,332	3,218,483	30,691	5,829,397	2,580,223
Furniture, including store and office fixtures	199	2,009	18,700	27,286	37,049	5,790,903	20,344,735	40,042,063	1,125,420	83,495,716	42,328,233
Gas and electric fixtures; lamps, lanterns, and reflectors	14	338	1,825	180	4,148	774,576	2,088,055	4,118,687	156,921	10,826,411	6,550,803
Gas machines, gas meters, and water and other liquid meters	4	27	108	-------	176	67,500	120,102	257,494	4,564	707,225	445,167
Gas, manufactured, illuminating and heating	36	498	1,306	8,461	8,461	761,566	1,714,179	2,582,485	4,775,479	16,660,539	9,302,575
Glass	26	689	7,315	23,463	16,738	2,000,823	8,971,125	9,872,455	3,190,023	34,490,483	21,428,005
Glass products (except mirrors) made from purchased glass	10	22	176	-------	249	52,184	207,538	421,600	15,635	966,952	529,717
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics	23	132	2,584	-------	991	298,234	1,530,601	5,730,328	42,177	7,807,397	2,034,892
Grease and tallow, not including lubricating greases	24	18	104	601	1,108	51,226	130,811	236,072	40,461	632,954	356,421
Hardware not elsewhere classified	18	128	836	145	1,407	358,163	969,885	2,401,494	57,108	4,748,781	2,290,179

See footnotes at end of this table, p. 169.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[1]	Cost of fuel and purchased electric energy	Value of products[1]	Value added by manufacture[2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Hats and caps, except felt and straw, men's	5	10	65	-------	16	38,344	75,759	161,052	1,692	368,256	205,612
House-furnishing goods, not elsewhere classified	9	26	88	-------	66	22,662	51,849	158,386	2,969	351,031	189,676
Ice cream	120	219	641	708	6,715	489,189	910,117	3,931,063	269,460	7,902,692	3,702,169
Ice, manufactured	121	276	1,016	11,659	11,593	697,253	1,345,538	255,127	735,093	5,270,245	4,280,025
Iron and steel: Blast furnaces	3	136	1,574	472,886	245,065	414,902	2,609,147	36,297,328	19,942,758	74,180,193	17,940,107
Iron and steel: Steel works and rolling mills	20	2,520	29,169			6,697,540	52,844,790	169,407,524	21,750,691	334,127,376	142,969,161
Jewelry	11	48	178	-------	99	186,547	270,086	392,848	5,540	1,334,387	935,999
Knit goods	11	553	5,953	-------	3,982	1,143,870	7,486,854	13,567,505	197,848	32,153,951	18,388,598
Leather goods, not elsewhere classified	4	10	40	-------	33	20,422	29,593	53,371	3,125	157,029	100,533
Leather: Tanned, curried, and finished	6	33	262	360	734	124,836	284,476	1,979,484	40,355	3,313,287	1,293,448
Lime	7	18	334	220	3,512	46,460	355,145	112,437	183,021	904,078	608,620
Lumber and timber products, not elsewhere classified	207	316	3,254	12,334	9,257	933,938	3,273,144	7,763,703	186,142	16,929,622	8,979,777
Machine-tool accessories and small metal-working tools, not elsewhere classified	23	61	335	-------	479	133,065	595,470	190,685	20,348	1,315,872	1,104,839
Machine tools	14	469	1,245	-------	4,321	994,083	1,935,605	2,239,730	105,284	7,614,344	5,269,330
Marble, granite, slate, and other stone products	59	891	3,342	825	32,944	2,917,973	5,839,072	4,309,814	596,536	20,603,933	15,697,583
Mattresses and bed springs, not elsewhere classified	16	54	386	90	901	168,381	438,488	1,303,981	31,488	2,363,590	1,028,121
Meat packing, wholesale	57	964	4,976	9,023	13,230	1,899,384	5,756,224	84,880,930	801,108	99,906,829	14,224,791
Millinery	3	28	189	-------	25	61,538	117,026	251,880	3,581	487,972	232,511
Mirrors, framed and unframed	11	39	414	100	611	114,532	401,920	1,097,507	21,811	2,212,816	1,093,498
Models and patterns, not including paper patterns	25	30	160	-------	427	70,894	299,272	104,309	11,296	668,597	552,992
Motor-vehicle bodies and motor-vehicle parts	67	1,201	13,653	4,620	46,887	3,585,771	19,199,892	44,106,536	1,505,846	90,128,727	44,516,345
Motor vehicles, not including motorcycles	15	2,220	20,573	30,694	16,688	7,218,763	30,642,398	129,538,776	1,836,416	208,247,058	76,871,866
Mucilage, paste, and other adhesives, except glue and rubber cement	4	6	7	-------	880	1,970	7,046	45,628	4,186	71,968	22,154
Musical instruments and parts and materials, not elsewhere classified	11	346	1,156	-------	1,666	714,678	1,672,405	1,066,950	70,229	5,107,888	3,970,709
Musical instruments: Pianos	5	76	593	1,105	764	191,888	736,361	1,132,219	53,112	2,414,774	1,229,443
Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills	4	17	153	200	333	32,037	141,011	537,887	18,566	923,367	366,914
Nonferrous-metal alloys and products, not including aluminum products	34	166	1,056	-------	5,575	476,730	1,414,123	4,752,848	234,263	8,341,305	3,354,194
Paints and varnishes	27	304	572	10	4,851	920,585	771,242	6,988,629	194,246	11,689,829	4,506,954
Paper	24	192	2,180	44,392	4,910	684,655	2,722,209	9,703,371	1,423,682	18,120,354	6,993,301
Paper goods, not elsewhere classified	14	61	563	15	977	135,064	356,116	1,727,924	27,260	2,783,534	1,028,350
Patent or proprietary medicines and compounds	45	360	456	100	787	990,568	507,762	1,797,180	29,931	7,204,889	5,377,778
Perfumes, cosmetics, and other toilet preparations	13	78	233	-------	120	239,522	222,154	552,571	8,537	1,748,710	1,187,602
Photo-engraving, not done in printing establishments	11	96	282	-------	266	320,782	664,644	197,487	14,735	1,497,208	1,284,986
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	148	501	2,598	3,640	15,100	1,546,811	3,376,446	10,458,934	236,856	19,843,605	9,147,815
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	8	64	586	766	636	200,969	621,958	840,194	97,511	2,083,472	1,145,767
Pottery, including porcelain ware	7	87	926	275	1,076	226,612	1,067,265	754,336	261,998	3,744,368	2,728,034
Poultry killing, dressing, and packing, wholesale	22	74	384	5	713	133,396	362,370	5,052,544	36,065	6,081,492	992,883
Printing and publishing, book and job	282	1,180	3,928	641	4,832	2,852,096	5,476,122	5,841,401	207,823	20,781,776	14,732,552
Printing and publishing, newspaper and periodical	331	3,157	3,410	163	7,360	5,821,763	5,623,323	6,391,302	362,189	32,578,912	25,825,421
Pumps (hand and power) and pumping equipment	20	785	2,275	1,255	9,300	2,022,008	3,080,884	6,331,840	185,382	16,538,387	10,021,165
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	5	190	571	710	491	419,895	782,950	1,769,678	43,569	5,311,868	3,498,621
Rubber goods other than tires, inner tubes, and boots and shoes	11	130	1,333	675	10,959	394,262	1,526,190	2,477,294	366,380	6,823,612	2,979,938
Saddlery and harness	7	32	130	-------	195	46,114	100,881	390,878	5,132	653,662	257,652
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	10	17	66	-------	549	56,217	87,600	1,050,869	15,514	1,377,871	311,488
Screw-machine products and wood screws	11	28	351	-------	868	65,623	416,700	461,084	47,524	1,441,643	933,035
Ship and boat building, steel and wooden, including repair work	7	30	191	368	265	60,697	254,166	341,111	10,744	673,293	321,438
Shirts	14	66	2,926	250	583	198,792	1,951,526	6,090,189	63,606	10,734,050	4,580,255
Signs and advertising novelties	25	109	316	-------	247	259,819	353,730	463,370	42,718	1,824,131	1,318,043
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	4	61	177	-------	1,017	210,267	265,982	6,237,838	91,966	7,574,298	1,244,494
Sporting and athletic goods, not including fire-arms or ammunition	5	51	204	-------	166	121,030	202,547	261,248	9,371	793,015	522,396
Springs, steel, except wire, not made in plants operated in connection with rolling mills	5	52	222	-------	1,565	128,164	286,495	627,473	63,180	1,556,722	866,069
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	19	187	1,867	1,215	2,834	537,057	2,130,467	3,079,294	265,448	7,831,123	4,486,381
Stationery goods, not elsewhere classified	7	41	342	-------	313	139,214	319,692	1,225,853	12,877	2,213,500	974,770
Steam fittings and steam and hot-water heating apparatus	10	309	1,580	50	3,898	798,330	2,113,086	2,485,953	203,979	8,240,797	5,550,865
Stereotyping and electrotyping, not done in printing establishments	7	24	123	-------	465	78,291	227,099	78,679	12,995	555,590	463,916
Stoves and ranges (other than electric) and warm-air furnaces	23	258	1,422	350	4,187	720,420	1,963,948	3,128,254	143,374	8,070,267	4,798,639
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	39	615	2,136	905	16,748	1,378,373	3,604,073	10,218,915	228,194	19,142,291	8,695,182
Tobacco: Chewing and smoking, and snuff	9	3	24	11	16	3,400	17,986	65,957	728	178,585	111,900

See footnotes at end of this table, p. 169.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Tools, not including edge tools, machine tools, files, or saws	23	93	647	165	2,007	186,868	740,192	1,036,685	82,945	2,567,580	1,447,950
Toys (not including children's wheel goods or sleds), games, and playground equipment	13	93	747	900	313	216,527	688,539	1,219,677	27,460	2,633,138	1,386,001
Trunks, suitcases, and bags	8	18	195	----------	267	37,425	155,107	391,278	12,981	775,105	370,846
Window and door screens and weather strip	9	5	22	----------	76	8,830	26,550	51,086	504	121,632	70,042
Window shades and fixtures	12	31	144	----------	111	41,566	132,839	415,284	5,995	774,409	353,130
Wire, drawn from purchased bars or rods	4	357	4,881	1,974	10,439	467,523	6,796,040	15,392,427	681,086	31,037,566	14,964,053
Wirework, not elsewhere classified	18	100	868	100	1,914	364,028	925,703	2,606,385	69,999	4,888,108	2,211,724
Wood preserving	6	23	275	510	400	64,559	347,239	2,942,565	55,957	3,784,709	786,187
Wood turned and shaped and other wooden goods, not elsewhere classified	28	111	848	1,940	1,545	266,254	809,685	1,635,058	33,704	3,516,704	1,847,942
Woolen goods	7	62	635	1,165	722	202,157	663,321	1,954,264	75,864	3,479,841	1,449,713
Other industries	219	4,383	28,924	112,712	84,337	12,536,945	38,506,267	218,354,245	7,715,657	387,134,810	161,064,908

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 1,810 employees of central administrative offices, with salaries aggregating $4,536,276. See GENERAL EXPLANATIONS—Persons Engaged.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each industrial area (see GENERAL EXPLANATIONS—Industrial area) and for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
CHICAGO INDUSTRIAL AREA											
[This area comprises Cook, Du Page, Kane, Lake, and Will Counties in Illinois, together with Lake County, Indiana. For statistics by industries for the area as a whole, see report for Illinois]											
All industries, total	11,774	113,040	550,903	1,292,677	1,436,997	$317,180,327	$869,218,189	$2,814,605,897	$195,234,986	$5,558,331,242	$2,548,490,359
INDIANAPOLIS INDUSTRIAL AREA											
[This area is coextensive with Marion County]											
All industries, total	917	9,862	51,117	36,473	117,637	$25,964,751	$67,712,913	$230,491,039	$7,952,546	$428,362,004	$189,918,419
Awnings, tents, sails, and canvas covers	7	28	61	----------	32	57,355	60,934	166,862	3,932	346,786	175,992
Beverages	12	27	109	8	287	84,561	169,313	373,521	10,311	965,130	580,998
Boxes, paper, not elsewhere classified	7	127	616	----------	846	276,002	618,829	1,743,046	31,619	3,254,065	1,459,400
Boxes, wooden, except cigar boxes	6	22	135	100	439	45,714	140,919	347,635	6,301	732,733	378,797
Bread and other bakery products	58	127	1,451	210	2,102	491,644	1,769,756	4,701,071	191,600	10,046,375	5,153,704
Butter	7	53	146	150	666	101,214	204,347	3,882,099	27,776	4,638,640	728,765
Car and general construction and repairs, steam-railroad repair shops	11	467	3,884	6,087	2,652	1,158,984	6,342,096	4,358,942	303,122	12,163,144	7,501,080
Cleaning and polishing preparations [1]	7	22	54	75	154	42,332	50,734	260,179	7,311	647,125	379,635
Clothing, women's, not elsewhere classified	8	41	280	----------	56	98,421	205,491	433,939	4,811	962,186	523,436
Coffee and spice, roasting and grinding	7	19	27	----------	148	63,088	26,850	837,242	4,003	1,150,981	309,736
Concrete products	14	29	86	4	436	50,341	109,538	267,054	10,595	649,467	371,818
Condensed and evaporated milk	3	1	8	----------	33	[2]	9,609	62,973	1,897	120,953	56,083
Confectionery	12	78	481	----------	734	177,254	372,578	1,462,636	42,854	2,689,788	1,184,298
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	11	26	148	----------	94	89,874	256,635	308,377	3,490	751,183	439,316
Electrical machinery, apparatus, and supplies	17	448	1,961	----------	9,068	1,274,214	2,944,388	8,240,597	225,965	16,146,749	7,680,187
Electroplating	8	14	83	----------	244	46,209	110,831	44,250	13,490	331,693	273,953
Foundry and machine-shop products, not elsewhere classified	76	1,495	8,015	4,210	19,629	4,130,187	11,145,440	13,715,722	915,338	44,947,898	30,316,838

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

See footnotes at end of this section, p. 170.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
INDIANAPOLIS INDUSTRIAL AREA—Continued											
Furniture, including store and office fixtures	27	217	1,592	1,250	4,904	$641,549	$1,931,086	$3,843,435	$102,315	$7,787,742	$3,841,992
Gas and electric fixtures; lamps, lanterns, and reflectors	3	1	2		4	[2]	[3]	12,674	248	27,612	14,690
Ice cream	12	52	151	200	2,017	129,919	239,390	1,172,836	90,948	2,157,119	893,335
Ice, manufactured	13	60	337	1,910	1,437	84,352	470,982	58,968	192,748	1,444,236	1,192,520
Lumber and timber products, not elsewhere classified	8	46	460	166	2,417	259,196	549,534	1,529,524	39,702	3,889,766	2,320,540
Machine-tool accessories and small metal-working tools, not elsewhere classified	5	14	75		90	39,647	119,865	56,647	2,342	292,033	233,044
Marble, granite, slate, and other stone products	8	21	97		780	93,321	170,181	210,445	13,109	616,041	392,487
Mattresses and bed springs, not elsewhere classified	5	19	115		455	51,308	134,331	450,190	10,026	820,237	360,021
Meat packing, wholesale	11	662	3,411	5,382	8,322	1,211,942	3,760,235	57,285,931	468,903	66,458,333	8,703,499
Mirrors, framed and unframed	4	14	102		175	40,579	93,670	119,984	6,982	337,832	210,866
Models and patterns, not including paper patterns	8	7	37		137	19,690	69,320	40,706	2,366	170,576	127,504
Motor-vehicle bodies and motor-vehicle parts	16	228	2,360	650	3,097	569,668	3,698,062	8,612,269	129,981	14,221,295	5,479,045
Motor vehicles, not including motorcycles	4	420	3,254		5,894	1,916,121	4,657,477	37,611,543	285,479	56,602,870	18,705,848
Nonferrous-metal alloys and products, not including aluminum products	11	57	395		1,700	171,856	534,548	1,745,683	73,809	2,877,105	1,057,613
Paints and varnishes	13	188	307		1,503	613,055	348,429	3,100,227	36,440	5,837,376	2,700,709
Patent or proprietary medicines and compounds	14	148	128		164	413,313	125,409	367,304	7,107	1,616,767	1,242,356
Photo-engraving, not done in printing establishments	4	65	161		97	220,395	366,021	139,708	6,437	896,238	750,093
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	32	127	391	420	3,331	333,396	538,300	1,139,968	52,575	2,448,262	1,255,719
Printing and publishing, book and job	102	556	1,311	1	1,762	1,450,001	1,966,157	1,953,248	65,751	8,664,937	6,645,938
Printing and publishing, newspaper and periodical	40	940	657		1,773	1,657,382	1,356,913	2,418,991	57,580	10,762,059	8,285,488
Screw-machine products and wood screws	6	12	184		528	35,861	224,692	222,512	15,435	727,028	489,081
Signs and advertising novelties	7	38	78		20	85,519	109,113	130,308	19,714	580,766	430,744
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	5	28	178		342	93,087	226,412	174,542	25,425	574,515	374,548
Stoves and ranges (other than electric) and warm-air furnaces	8	50	264	250	389	123,005	435,145	387,065	29,771	1,165,536	748,700
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	14	65	248		923	165,065	403,236	779,493	18,091	1,716,665	919,081
Tools, not including edge tools, machine tools, files, or saws	6	12	24		114	16,629	29,593	34,392	1,951	117,967	81,624
Window shades and fixtures	3	9	28		3	9,817	24,807	88,100	1,080	156,753	67,573
Wirework, not elsewhere classified	7	21	174		339	87,581	122,553	291,126	8,392	639,953	340,435
Other industries [4]	250	2,761	17,051	15,400	37,300	7,244,103	20,469,164	65,306,775	4,383,424	134,229,489	64,539,290

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The items for the "Cleaning and polishing preparations" industry include data for 1 establishment located outside the area, to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the area are not affected by these counterbalancing adjustments.

[2] Withheld to avoid disclosing compensation of an individual employee; included in item for "Other industries."

[3] Withheld to avoid disclosing compensation of individual wage earners; included in item for "Other industries."

[4] See footnote 1.

ALLEN COUNTY

Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Electrical machinery, apparatus, and supplies"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	209	4,169	23,306	8,801	68,722	$8,368,382	$32,909,378	$67,917,215	$2,798,000	$140,855,093	$70,139,878

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
DELAWARE COUNTY											
All industries, total	123	1,204	10,720	7,558	48,667	$3,554,133	$13,963,454	$32,165,315	$2,223,409	$70,581,563	$36,192,839
Beverages	3	8	10	----------	30	13,216	13,754	36,200	1,004	85,812	48,608
Bread and other bakery products	15	31	192	----------	208	41,795	226,096	732,486	21,193	1,157,644	403,965
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	3	12	65	----------	167	15,348	23,299	113,422	4,574	195,097	77,101
Confectionery	4	3	20	----------	23	3,420	12,790	38,636	1,243	69,374	29,495
Foundry and machine-shop products, not elsewhere classified	14	128	1,191	560	5,863	392,949	1,564,244	1,612,454	222,475	4,920,182	3,085,253
Ice, manufactured	4	7	17	485	26	17,513	25,612	7,838	17,215	114,855	89,802
Motor-vehicle bodies and motor-vehicle parts	7	316	3,711	60	21,252	991,627	5,429,435	11,230,564	456,958	25,485,725	13,798,203
Nonferrous-metal alloys and products, not including aluminum products	3	6	33	----------	129	23,093	42,059	129,051	6,857	232,586	116,678
Paper	4	18	135	2,309	1,762	35,904	156,691	658,428	161,070	1,108,786	289,288
Printing and publishing, book and job	6	11	65	----------	69	18,865	75,468	82,683	4,504	297,703	210,516
Other industries	60	664	5,281	4,144	19,138	2,000,403	6,394,006	17,523,553	1,326,316	36,893,799	18,043,930
ELKHART COUNTY											
All industries, total	163	1,663	8,578	6,781	18,676	$4,048,002	$11,436,501	$20,078,093	$887,983	$47,712,375	$26,746,299
Beverages	4	----------	6	----------	17	----------	8,406	17,261	966	44,140	25,913
Bread and other bakery products	10	18	122	----------	256	32,488	159,584	500,966	22,068	916,705	393,671
Concrete products	6	----------	14	----------	215	----------	16,391	32,838	1,274	79,394	45,282
Electrical machinery, apparatus, and supplies	5	46	460	----------	324	193,716	436,158	499,824	16,295	1,581,811	1,065,692
Foundry and machine-shop products, not elsewhere classified	17	277	1,044	70	2,240	737,735	1,463,400	2,303,792	104,584	6,031,872	3,623,496
Furniture, including store and office fixtures	10	95	720	1,250	1,035	248,624	824,820	1,778,561	48,471	3,894,684	2,067,652
Ice cream	5	4	13	----------	225	9,740	24,182	75,392	9,030	185,984	101,512
Ice, manufactured	3	5	9	235	113	7,800	12,767	3,585	12,230	45,682	29,817
Lumber and timber products, not elsewhere classified	3	19	325	450	777	67,863	377,313	878,431	15,572	1,481,692	587,689
Nonferrous-metal alloys and products, not including aluminum products	4	23	171	----------	190	73,265	220,819	367,095	26,034	831,074	437,945
Printing and publishing, book and job	8	6	56	----------	65	7,647	71,706	108,608	5,182	284,953	171,163
Printing and publishing, newspaper and periodical	8	62	65	----------	184	125,179	116,205	109,848	9,548	539,421	420,025
Stationery goods, not elsewhere classified	3	13	46	----------	47	24,440	53,527	105,038	4,187	236,125	126,900
Other industries [b]	77	1,095	5,527	4,776	12,988	2,519,505	7,651,223	13,296,854	612,442	31,558,838	17,649,542
LAKE COUNTY											
All industries, total	290	6,159	50,328	540,680	333,069	$16,734,247	$88,679,154	$425,032,100	$83,223,882	$803,871,186	$295,615,204
Awnings, tents, sails, and canvas covers	4	3	16	----------	7	12,737	26,820	65,348	752	124,000	57,900
Beverages	10	22	58	----------	89	40,959	81,335	176,977	6,569	403,458	219,912
Bread and other bakery products	45	25	304	----------	6,017	55,454	492,425	1,022,416	61,827	2,277,864	1,193,621
Butter	3	2	8	----------	317	(c)	8,276	109,443	2,258	188,453	76,752
Car and general construction and repairs, steam-railroad repair shops	8	117	1,489	480	4,020	373,493	2,677,821	1,809,931	144,747	5,005,992	3,051,314
Cigars and cigarettes	3	6	23	----------	1	8,035	19,311	31,414	652	78,585	46,519
Feeds, prepared, for animals and fowls	3	72	118	----------	2,900	228,754	195,042	5,103,827	46,393	6,544,531	1,394,311
Foundry and machine-shop products, not elsewhere classified	24	436	2,411	----------	16,963	1,505,358	3,920,420	16,613,143	531,997	31,571,564	14,426,424
Ice cream	4	5	30	----------	294	5,272	58,477	206,262	12,206	417,018	198,550
Ice, manufactured	5	12	33	4	1,914	61,120	64,578	8,009	49,713	427,344	369,622
Iron and steel: Blast furnaces	3	136	1,574	449,263	206,877	414,902	2,669,147	36,297,328	19,942,758	74,180,193	17,940,107
Iron and steel: Steel works and rolling mills	9	2,119	24,464			5,574,917	45,645,927	152,636,914	19,468,222	301,013,473	128,905,337
Marble, granite, slate, and other stone products	7	9	22	----------	344	21,344	39,229	67,594	4,034	183,332	111,704
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	10	23	44	----------	954	60,180	97,186	198,865	9,466	411,277	202,946
Printing and publishing, newspaper and periodical	14	120	129	5	392	299,891	306,505	230,293	25,742	1,582,503	1,326,468
Signs and advertising novelties	6	9	19	----------	10	10,793	26,111	33,280	743	139,549	105,526
Smelting and refining, metals other than gold, silver, or platinum, not from the ore [7]	4	61	177	----------	1,017	210,267	265,982	6,237,838	91,966	7,574,298	1,244,494
Other industries [8]	128	2,982	19,409	90,928	90,953	7,850,771	32,144,562	204,183,218	42,823,837	371,747,752	124,740,697

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[8] The figures for "Other industries" include data for the "Car and general construction and repairs, steam-railroad repair shops" industry, which reported a larger number of wage earners than any other industry in the area but for which separate figures can not be given without disclosing data for individual establishments. The "Foundry and machine-shop products, not elsewhere classified" industry outranks all others in respect of value of products.

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[7] The items for the "Smelting and refining, metals other than gold, silver, or platinum, not from the ore" industry include data for 1 establishment located outside the county, to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[8] See footnote 7.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
MADISON COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Electrical machinery, apparatus, and supplies"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	140	1,920	15,962	27,066	28,944	$4,349,197	$18,731,429	$41,379,434	$2,026,225	$102,708,881	$59,303,222
MARION COUNTY (SEE INDIANAPOLIS INDUSTRIAL AREA)											
ST. JOSEPH COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	236	3,632	31,400	47,433	26,219	$9,224,690	$43,690,795	$90,047,891	$3,102,163	$191,580,370	$98,430,316
VANDERBURG COUNTY											
All industries, total	223	2,124	15,917	16,472	31,490	$6,318,018	$17,780,260	$51,294,678	$1,319,660	$99,640,166	$47,025,828
Beverages	5	12	34	----------	89	40,039	48,330	166,241	2,454	413,623	244,928
Bread and other bakery products	21	24	275	----------	1,054	79,949	380,521	811,464	37,425	1,756,665	907,776
Butter	3	14	52	57	259	43,856	107,313	1,673,639	10,515	1,891,798	207,644
Cigars and cigarettes	4	46	2,457	600	25	251,326	1,510,817	2,974,901	11,708	6,637,167	3,650,558
Coffee and spice, roasting and grinding	5	8	13	30	28	11,720	12,624	260,078	2,710	339,539	76,761
Concrete products	6	2	13	4	36	(c)	17,994	20,592	626	62,329	41,111
Confectionery	5	4	28	----------	27	9,356	25,705	60,010	4,349	128,660	64,301
Electroplating	3	3	15	----------	110	5,172	18,191	4,892	1,747	44,257	37,618
Flour and other grain-mill products	5	13	124	75	1,540	25,765	161,233	4,377,248	40,529	5,122,539	704,762
Furniture, including store and office fixtures	17	213	2,267	3,235	3,255	571,162	2,455,114	4,097,005	112,869	9,469,459	5,259,585
Ice, manufactured	3	21	76	2,465	1,449	72,458	92,696	11,009	46,088	325,926	268,829
Marble, granite, slate, and other stone products	3	12	33	----------	232	42,205	48,725	64,669	4,271	256,814	187,874
Mirrors, framed and unframed	3	12	56	100	58	29,752	69,134	192,077	4,108	380,582	184,397
Patent or proprietary medicines and compounds	3	6	7	----------	7	12,859	5,648	39,931	513	85,207	44,763
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	9	25	77	280	668	51,783	108,816	227,225	9,683	453,867	216,959
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	3	16	158	191	326	56,115	175,272	302,920	15,484	602,259	283,855
Printing and publishing, book and job	13	52	137	----------	203	128,923	197,240	232,181	6,877	730,342	491,284
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	3	31	284	115	395	91,850	236,171	620,130	35,916	1,191,593	535,547
Stoves and ranges (other than electric) and warm-air furnaces	4	36	204	100	490	88,406	231,520	671,860	15,235	1,367,441	680,346
Other industries	105	1,574	9,607	220	21,239	4,705,302	11,877,196	34,486,606	956,553	68,380,099	32,936,940

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs..

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for Evansville and Indianapolis, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the industries shown separately. The cities of Fort Wayne, Gary, and South Bend are also industrially important, but no statistics by industries can be given for these cities. In the cases of Fort Wayne and South Bend, combined figures for all industries are given, and the reasons for withholding figures for individual industries are stated in explanatory notes. For Gary, it is impossible to publish even the combined totals for all industries without disclosing approximations of the data for an individual establishment]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
EVANSVILLE											
[The totals for all industries do not include data for establishments located outside the city (see footnotes 2 and 3), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	212	1,931	13,981	15,538	27,026	$5,547,748	$14,858,892	$48,087,134	$1,146,165	$90,866,491	$41,633,192
Beverages	5	12	34	--------	89	40,059	48,330	166,241	2,454	413,623	244,928
Bread and other bakery products	21	24	275	--------	1,054	79,949	380,521	811,464	37,425	1,756,665	907,776
Butter	3	14	52	57	259	43,856	107,313	1,673,639	10,515	1,891,798	207,644
Cigars and cigarettes	4	46	2,457	600	25	251,326	1,510,817	2,974,901	11,708	6,637,167	3,650,558
Coffee and spice, roasting and grinding	5	8	13	30	28	11,720	12,624	260,078	2,710	339,539	76,751
Concrete products	6	2	13	4	36	(1)	17,994	20,592	626	62,329	41,111
Confectionery	5	4	28	--------	27	9,356	25,705	60,010	4,349	128,650	64,301
Electroplating	3	3	15	--------	110	5,172	18,191	4,892	1,747	44,257	37,618
Flour and other grain-mill products [2]	5	13	124	75	1,540	25,765	161,233	4,377,248	40,529	5,122,539	704,762
Furniture, including store and office fixtures [3]	17	213	2,267	3,235	3,255	571,162	2,455,114	4,097,005	112,869	9,469,459	5,259,585
Ice, manufactured	3	21	76	2,465	1,449	72,458	92,696	11,009	46,088	325,926	268,829
Marble, granite, slate, and other stone products	3	12	33	--------	232	42,205	48,725	64,669	4,271	256,814	187,874
Mirrors, framed and unframed	3	12	56	100	58	29,752	69,134	192,077	4,108	380,582	184,397
Patent or proprietary medicines and compounds	3	6	7	--------	7	12,859	5,648	39,931	513	85,207	44,763
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	9	25	77	280	668	51,783	108,816	227,225	9,683	453,867	216,959
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	3	16	158	191	326	56,115	175,272	302,920	15,484	602,259	283,855
Printing and publishing, book and job	13	52	137	--------	203	128,923	197,240	232,181	6,877	730,342	491,284
Stoves and ranges (other than electric) and warm-air furnaces	4	36	204	100	490	88,406	231,520	671,860	15,235	1,367,441	680,346
Other industries	100	1,417	8,028	8,401	17,370	4,037,590	9,264,270	32,107,039	823,624	61,120,540	28,189,877
FORT WAYNE											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Wire, drawn from purchased bars or rods"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	180	3,687	21,311	7,584	56,825	$7,509,864	$29,849,868	$57,559,466	$2,451,333	$121,567,164	$61,556,365

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

The figures for a few establishments located outside Evansville have been included in those for the city, as specified in footnotes 2 and 3, to avoid disclosing data reported by individual establishments:

[2] Includes data for 1 establishment located outside Evansville.

[3] Includes data for 2 establishments located outside Evansville.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
INDIANAPOLIS											
[The totals for all industries do not include data for establishments located outside the city (see footnote 4), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	897	9,423	47,603	31,002	109,462	$24,851,023	$62,331,906	$220,455,626	$7,438,381	$408,335,696	$180,441,689
Awnings, tents, sails, and canvas covers	7	28	61	.....	32	57,355	60,934	166,862	3,932	346,786	175,992
Beverages	12	27	109	8	287	84,561	169,313	373,321	10,311	965,130	580,998
Boxes, paper, not elsewhere classified	7	127	616	.....	846	276,002	618,829	1,743,046	31,619	3,234,065	1,459,400
Boxes, wooden, except cigar boxes	6	22	135	100	439	45,714	140,919	347,635	6,301	732,733	378,797
Bread and other bakery products	58	127	1,451	210	2,102	491,644	1,769,756	4,701,071	191,600	10,046,375	5,153,704
Butter [1]	7	53	146	150	666	101,214	204,347	3,882,099	27,776	4,638,640	728,765
Cleaning and polishing preparations [1]	7	22	54	75	154	42,332	50,734	260,179	7,311	647,125	379,635
Clothing, women's, not elsewhere classified	8	41	280	.....	56	98,421	205,491	433,939	4,811	962,186	523,436
Coffee and spice, roasting and grinding	7	19	27	.....	148	63,088	26,850	337,242	4,003	1,150,984	809,736
Condensed and evaporated milk	3	1	8	.....	33	(3)	9,609	62,973	1,897	120,953	56,083
Confectionery	12	78	481	.....	734	177,254	372,578	1,462,636	42,854	2,689,788	1,184,298
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	11	26	148	.....	94	89,874	256,635	308,377	3,490	751,183	439,316
Electroplating	8	14	83	.....	244	46,209	110,831	44,250	13,490	331,693	273,953
Foundry and machine-shop products, not elsewhere classified [1]	76	1,495	8,015	4,210	19,629	4,130,187	11,145,440	13,715,722	915,338	44,947,898	30,316,838
Furniture, including store and office fixtures	27	217	1,592	1,250	4,904	641,549	1,931,086	3,843,435	102,315	7,787,742	3,841,992
Ice cream	12	52	151	200	2,017	129,919	239,390	1,172,836	90,948	2,157,119	893,335
Ice, manufactured	13	60	337	1,910	1,437	84,352	470,982	58,968	192,748	1,444,236	1,192,520
Lumber and timber products, not elsewhere classified	8	46	400	166	2,417	259,196	549,534	1,529,524	39,702	3,889,766	2,320,540
Machine-tool accessories and small metal-working tools, not elsewhere classified	5	14	75	.....	90	39,647	119,865	56,647	2,342	292,033	233,044
Marble, granite, slate, and other stone products	8	21	97	.....	780	93,321	170,181	210,445	13,109	616,041	392,487
Mattresses and bed springs, not elsewhere classified	5	19	115	.....	455	51,308	134,331	450,190	10,026	820,237	360,021
Meat packing, wholesale	11	662	3,411	5,382	8,322	1,211,942	3,760,235	57,285,931	468,903	66,458,333	8,703,499
Mirrors, framed and unframed	4	14	102	.....	175	40,579	93,670	119,984	6,982	337,832	210,866
Models and patterns, not including paper patterns	8	7	37	.....	137	18,690	69,320	40,706	2,366	170,576	127,504
Motor-vehicle bodies and motor-vehicle parts	16	228	2,360	650	3,097	569,668	3,698,062	8,612,269	129,951	14,221,295	5,479,045
Motor vehicles, not including motorcycles	4	420	3,254	.....	5,894	1,916,121	4,657,477	37,611,543	285,479	56,702,870	18,705,848
Nonferrous-metal alloys and products, not including aluminum products	11	57	395	.....	1,700	171,856	534,548	1,745,683	73,809	2,877,105	1,057,613
Paints and varnishes	13	188	307	.....	1,503	613,055	348,429	3,100,227	36,440	5,837,376	2,700,709
Patent or proprietary medicines and compounds [1]	14	148	128	.....	164	413,313	125,409	367,304	7,107	1,616,767	1,242,356
Photo-engraving, not done in printing establishments	4	65	161	.....	97	220,395	366,021	139,708	6,437	896,238	750,093
Planing-mill products (including general millwork), not made in planing mills connected with sawmills [1]	32	127	391	420	3,331	333,396	538,300	1,139,968	52,575	2,448,262	1,255,719
Printing and publishing, book and job	102	556	1,311	1	1,762	1,450,001	1,966,157	1,953,248	65,751	8,664,937	6,645,938
Printing and publishing, newspaper and periodical	40	940	657	.....	1,773	1,657,382	1,356,913	2,418,991	57,580	10,762,059	8,285,488
Screw-machine products and wood screws	6	12	184	.....	528	35,861	224,692	222,512	15,435	727,028	489,081
Signs and advertising novelties	7	38	78	.....	20	89,519	109,113	130,308	19,714	580,766	430,744
Stoves and ranges (other than electric) and warm-air furnaces	8	50	264	250	389	123,605	435,145	387,065	29,771	1,165,536	748,700
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	14	65	248	.....	923	165,065	403,236	779,493	18,091	1,716,665	919,081
Tools, not including edge tools, machine tools, files, or saws	6	12	24	.....	114	16,629	29,593	34,392	1,951	117,967	81,624
Window shades and fixtures	3	9	28	.....	3	9,817	24,807	88,100	1,080	156,753	67,573
Wirework, not elsewhere classified	7	21	174	.....	339	87,581	122,553	291,126	8,392	639,953	340,435
Other industries	286	3,326	19,805	16,095	42,294	8,802,668	24,947,387	68,683,953	4,453,277	144,773,503	71,636,273
SOUTH BEND											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	193	2,749	25,726	42,215	14,268	$7,534,507	$36,116,226	$79,873,331	$2,547,584	$163,378,462	$80,957,547

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for the following numbers of establishments located outside the city have been included in the items for the city, to avoid disclosing data reported by those establishments: Butter, 1; cleaning and polishing preparations, 1; foundry and machine-shop products, not elsewhere classified, 1; patent or proprietary medicines and compounds, 1; planing-mill products (including general millwork), not made in planing mills connected with sawmills.

[3] Withheld to avoid disclosing compensation of an individual employee; included in item for "Other industries."

IOWA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	3,317	81,678	366,760	145,916	220,844	$102,326,738	$574,393,729	$556,592,882	$17,800,847	$898,213,272	$323,819,543
1927	3,061	73,692	330,702	143,563	187,139	91,246,664	496,939,635	480,095,664	16,843,971	769,340,610	272,400,975
1925	3,270	74,976	308,016	143,291	164,725	92,232,591	499,586,023	[4]	[4]	757,771,477	258,185,454
1923	3,420	77,847	282,333	131,479	150,854	94,206,205	434,335,536	[4]	[4]	690,032,396	255,696,860
1921	3,527	62,274	[5]	[5]	[5]	78,546,489	338,703,998	[4]	[4]	521,446,176	182,742,178
1919	5,683	80,551	242,820	130,334	112,486	90,117,169	520,240,807	506,034,871	14,205,936	745,472,697	225,231,890
1914	5,614	63,113	189,800	139,746	50,054	39,859,510	205,451,339	197,670,079	7,781,260	310,749,947	105,298,635
1909	5,528	61,635	154,928	136,465	18,463	32,541,931	170,707,048	165,462,906	5,244,142	259,237,637	88,530,589
1904	4,785	49,481	117,542	112,435	5,107	22,997,053	102,843,892	100,065,304	2,778,588	160,572,313	57,728,421
1899	4,828	44,420	106,022	103,409	2,613	18,020,653	85,778,867	[6]	[6]	132,870,865	47,091,998
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	8.4	10.8	10.9	1.6	18.0	12.1	15.6	15.9	5.7	16.8	18.9
1925–1927	−6.4	−1.7	7.4	0.2	13.6	−1.1	−0.5			1.5	5.5
1923–1925	−4.4	−3.7	9.1	9.0	9.2	−2.1	15.0			9.8	1.0
1921–1923	−3.0	25.0				19.9	28.2			32.3	39.9
1919–1921	−37.9	−22.7				−12.8	−34.9			−30.1	−18.9
1919–1929	−41.6	1.4	51.0	12.0	96.3	13.5	10.4	10.0	25.3	20.5	43.8
1909–1919	2.8	30.7	56.7	−4.5	509.3	176.9	204.8	205.8	170.9	187.6	154.4
1899–1909	14.5	38.8	46.1	32.0	606.6	80.6	99.0			95.1	88.0

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	2,470,939	3,317	51,678	366,760	$102,328,738	$574,393,729	$556,592,882	$17,800,847	$898,213,272	$323,819,543
Counties [3]										
Adair	13,891	5	12	92	15,090	292,590	288,001	4,589	340,196	47,606
Adams	10,437	4	13	57	14,021	92,772	90,427	2,345	136,650	43,878
Allamakee	16,328	29	89	352	74,729	1,069,342	1,054,986	14,356	1,353,946	284,604
Appanoose	24,835	27	252	2,255	281,060	1,642,665	1,544,911	97,754	2,433,754	790,089
Audubon	12,264	11	82	362	91,447	827,883	816,682	11,201	1,235,441	407,558
Benton	22,581	26	410	1,562	532,605	1,450,571	1,387,614	62,957	2,399,566	948,995
Black Hawk	69,146	125	7,114	18,701	9,771,102	51,223,408	50,094,914	1,130,494	90,121,496	38,898,088
Boone	20,271	30	310	1,490	369,067	1,166,959	1,096,070	73,889	2,102,736	692,847
Bremer	17,046	41	256	1,112	238,331	2,666,029	2,614,198	51,831	3,745,363	1,079,334
Buchanan	19,550	21	121	665	116,633	2,677,128	2,643,147	33,980	3,121,410	444,282
Buena Vista	18,667	26	151	745	160,007	1,556,141	1,527,752	28,389	2,121,796	565,655
Butler	17,617	20	55	408	49,772	1,324,141	1,311,908	12,233	1,826,295	202,154
Calhoun	17,608	16	74	288	64,146	687,968	678,104	9,864	942,466	254,497
Carroll	20,306	28	219	1,189	262,153	2,589,961	2,549,088	40,873	3,402,211	812,250
Cass	19,422	26	208	1,309	224,902	1,997,689	1,949,614	48,075	2,737,314	739,325
Cedar	16,760	20	38	516	38,056	993,765	983,106	10,657	1,169,834	176,069
Cerro Gordo	38,476	57	2,406	33,577	3,191,183	23,531,412	21,796,384	1,735,028	32,967,657	9,436,245
Cherokee	18,737	10	111	186	163,620	282,233	256,463	25,770	597,665	315,432
Chickasaw	14,657	19	48	441	58,341	1,154,317	1,139,910	14,407	1,338,533	184,216
Clarke	10,584	7	27	73	34,592	306,177	297,429	8,748	488,176	133,999
Clay	18,107	15	38	285	46,822	214,277	202,728	11,549	420,331	266,054
Clayton	24,559	43	343	1,156	401,727	2,945,497	2,897,755	47,682	3,749,710	804,273
Clinton	44,377	83	3,268	16,421	4,047,030	16,982,958	16,138,928	844,010	27,105,981	10,123,043
Dallas	25,493	26	482	2,976	608,711	1,693,997	1,485,709	208,288	2,888,844	1,194,847
Davis	11,180	6	16	102	20,091	100,253	95,723	4,530	168,204	67,951
Decatur	14,903	9	49	274	46,258	429,300	422,139	7,161	576,632	147,332
Delaware	18,122	26	65	373	52,696	1,528,799	1,507,577	21,222	1,827,184	298,385
Des Moines	38,162	76	3,498	9,949	4,163,912	9,442,714	9,133,580	309,134	17,243,650	7,800,936
Dickinson	10,982	12	47	101	47,409	425,226	415,974	9,252	611,978	186,692
Dubuque	61,214	122	5,446	16,622	5,991,782	19,163,525	18,636,555	526,970	34,257,319	15,091,494
Emmet	12,856	17	159	1,573	233,812	640,302	611,452	28,850	1,027,313	387,011
Fayette	29,145	39	1,125	3,014	1,499,069	2,800,289	2,685,846	114,443	4,918,968	2,118,709
Floyd	19,524	26	1,076	7,056	1,492,030	5,286,210	5,074,947	211,263	9,330,483	4,044,273
Franklin	16,882	20	217	1,563	202,820	1,617,744	1,592,017	25,727	2,312,314	694,570
Fremont	13,533	8	51	310	38,842	86,157	80,401	5,356	234,708	148,346
Greene	16,328	11	61	249	66,723	433,152	425,665	7,487	651,510	218,358
Grundy	14,133	15	45	282	37,489	718,641	706,849	11,792	899,274	180,633
Guthrie	17,324	15	50	229	49,801	586,234	576,421	9,813	755,288	159,054
Hamilton	20,975	16	283	765	340,134	1,020,977	978,194	42,783	2,106,643	1,085,666
Hancock	14,502	13	55	227	54,149	1,335,016	1,324,257	10,759	1,566,027	231,011
Hardin	22,947	34	133	773	150,599	2,109,776	2,064,549	45,227	2,637,721	527,945
Henry	17,569	15	110	444	52,919	583,950	560,400	23,550	871,389	287,439
Howard	13,062	19	59	320	69,699	1,177,150	1,161,377	15,773	1,376,184	199,034
Humboldt	13,202	12	39	346	44,344	635,256	629,711	5,547	804,001	165,743
Ida	11,993	10	36	123	39,056	312,398	305,732	7,166	413,002	100,104
Iowa	17,392	12	50	542	48,601	602,066	590,130	11,936	796,833	194,767
Jackson	18,481	33	167	993	171,946	1,680,358	1,645,086	35,242	2,124,799	444,471
Jasper	32,896	33	2,397	7,503	4,244,894	12,615,342	12,292,446	323,596	27,529,628	14,913,286
Jefferson	16,241	20	715	1,851	397,097	2,292,641	2,184,888	107,753	5,664,725	3,372,084
Johnson	30,276	32	304	1,461	409,731	1,133,054	1,096,245	36,809	2,692,043	1,558,979
Jones	19,206	29	302	740	217,491	2,470,407	2,445,094	25,313	4,005,071	1,534,664
Keokuk	19,145	12	127	555	170,960	122,601	45,915	76,683	856,164	293,563
Kossuth	28,452	26	104	453	126,668	1,580,111	1,554,992	25,119	1,936,376	356,265
Lee	41,208	89	3,483	23,411	4,046,634	16,912,221	15,537,863	1,374,358	33,083,370	16,171,149
Linn	82,336	188	5,969	37,060	7,349,861	63,392,966	61,931,488	1,461,478	95,108,597	32,715,631
Louisa	11,575	5	153	248	100,369	243,532	237,812	5,720	434,387	190,855
Lucas	15,114	14	95	357	93,852	337,185	319,384	17,801	576,237	239,052
Lyon	15,293	11	35	145	37,027	334,636	330,262	4,394	455,432	120,796
Madison	14,331	8	34	181	38,162	131,443	124,686	6,757	320,966	189,523
Mahaska	23,804	31	433	1,087	481,563	1,249,197	1,176,040	70,157	2,380,426	1,131,229
Marion	23,727	30	268	1,271	394,220	1,327,191	1,281,163	46,028	2,533,180	1,205,989
Marshall	33,727	60	1,745	5,238	2,111,719	6,667,532	6,440,242	227,290	13,838,406	7,170,964
Mills	15,866	13	85	474	49,852	404,053	393,856	10,197	533,771	129,718
Mitchell	14,965	20	75	274	85,709	1,341,358	1,329,307	12,211	1,626,997	285,479
Monona	15,273	12	60	189	54,170	364,853	356,628	8,225	631,154	266,301
Monroe	15,010	11	36	295	46,459	70,435	61,604	8,834	190,114	119,676
Montgomery	16,752	23	416	1,142	406,801	1,422,807	1,387,917	34,890	3,497,486	2,074,679
Muscatine	29,585	84	2,572	6,456	2,573,037	7,211,886	7,033,128	178,758	14,259,036	7,047,150
O'Brien	18,409	23	96	338	115,706	973,215	950,934	24,281	1,343,812	368,597
Page	23,804	30	221	876	231,941	1,708,371	1,669,208	39,073	2,522,750	814,379
Palo Alto	15,368	14	36	284	43,088	958,674	949,284	10,390	1,119,474	159,800
Plymouth	24,159	22	71	758	85,923	368,133	345,834	22,299	643,150	275,017
Pocahontas	15,687	9	79	186	106,869	514,130	471,767	42,363	821,710	307,580
Polk [4]	172,887	341	9,656	41,392	12,717,310	53,427,653	51,186,410	2,241,243	103,879,503	50,451,850
Pottawattamie	69,888	74	2,089	6,306	3,063,800	5,728,324	5,312,147	416,177	11,786,302	6,069,978
Poweshiek	18,727	17	246	579	229,560	1,266,690	1,236,442	30,248	1,951,039	684,349
Ringgold	11,466	5	9	45	8,627	23,484	21,203	2,281	57,872	34,388
Sac	17,641	14	53	437	105,364	634,671	620,752	13,919	971,823	337,152
Scott	77,332	190	6,334	33,736	5,202,291	28,963,149	27,325,923	1,437,226	50,524,519	21,561,361
Shelby	17,131	8	67	222	61,089	517,466	507,966	9,500	707,554	190,088

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [3]—Continued										
Sioux	26,806	28	176	544	$247,263	$2,615,677	$2,578,217	$37,460	$3,191,356	$575,679
Story	31,141	35	297	1,918	291,487	2,640,174	2,592,852	47,322	3,814,556	1,174,382
Tama	21,987	19	159	2,005	161,862	1,780,846	1,701,611	79,235	2,357,698	576,852
Taylor	14,859	7	24	77	21,857	186,366	182,299	4,067	278,517	92,151
Union	17,435	17	559	1,073	857,355	3,113,918	3,043,309	70,609	4,399,792	1,285,874
Wapello	40,480	61	3,125	8,388	3,224,391	45,533,462	45,419,448	414,014	56,123,095	10,289,633
Warren	17,700	7	34	59	41,424	126,059	122,233	3,826	220,520	94,461
Washington	19,822	24	269	473	216,800	599,088	569,413	29,675	1,310,654	711,566
Wayne	13,787	11	62	327	62,011	1,035,318	1,019,054	16,264	1,248,094	212,776
Webster	40,425	50	1,784	12,188	2,312,649	5,998,501	4,989,901	1,008,600	11,897,200	5,898,699
Winnebago	13,143	17	71	465	84,029	1,089,121	1,074,073	15,048	1,356,835	267,714
Winneshiek	21,630	30	186	865	209,464	2,090,307	2,049,607	40,700	2,682,507	592,200
Woodbury	101,669	164	6,236	25,767	8,597,164	112,955,850	111,606,385	1,349,465	136,125,651	23,169,801
Worth	11,164	13	152	447	229,303	875,044	847,160	27,884	1,183,700	308,656
Wright	20,216	21	336	1,820	419,122	1,255,846	1,174,613	81,233	2,075,485	819,639
All other counties [4]	68,710	37	541	1,195	760,607	3,452,203	3,380,382	71,821	4,782,198	1,329,995
Cities having 10,000 inhabitants or more [5]										
Ames	10,261	13	90	521	101,523	212,911	196,878	16,033	555,755	342,844
Boone	11,886	24	281	1,398	338,358	1,033,782	967,699	72,083	1,878,548	838,766
Cedar Rapids	56,097	167	5,864	36,223	7,230,004	62,363,608	60,928,599	1,435,009	94,654,562	32,290,954
Clinton	25,726	68	3,170	16,151	3,960,389	16,524,718	15,692,897	831,821	26,430,866	9,906,148
Council Bluffs	42,048	65	2,050	6,194	2,968,002	5,410,492	5,001,503	408,989	11,365,638	5,955,146
Davenport	60,751	172	4,768	16,391	5,773,134	24,001,464	23,218,304	783,160	39,862,093	15,860,629
Des Moines [7]	142,559	330	8,813	34,958	11,473,650	51,898,723	50,092,904	1,805,819	98,905,779	47,007,056
Dubuque	41,679	97	5,271	16,203	5,849,184	17,607,621	17,102,357	505,264	32,206,146	14,598,525
Fort Dodge	21,895	31	685	2,487	943,554	2,706,925	2,554,823	152,102	5,333,869	2,626,944
Fort Madison	13,779	27	1,197	8,283	1,200,921	6,679,337	6,470,033	209,304	13,992,228	7,312,891
Iowa City	15,340	29	295	1,449	402,651	1,127,411	1,030,945	96,466	2,664,223	1,536,812
Keokuk	15,106	54	1,449	11,019	1,602,480	8,986,706	8,037,378	949,328	15,677,250	6,690,544
Marshalltown	17,373	53	1,651	4,602	2,006,277	5,624,279	5,441,383	182,896	12,494,105	6,869,826
Mason City	23,304	44	2,214	30,768	2,983,445	21,611,536	20,013,180	1,598,356	30,183,274	8,571,738
Muscatine	16,778	78	2,851	6,378	2,557,301	6,867,984	6,694,472	173,512	13,845,621	6,977,637
Oskaloosa	10,123	28	430	1,079	479,513	1,241,974	1,172,127	69,847	2,358,345	1,116,571
Sioux City	79,183	154	6,159	24,829	8,481,105	110,847,092	109,545,861	1,301,231	133,479,710	22,632,618
Waterloo	46,191	92	6,684	16,785	9,130,123	48,819,950	47,744,104	1,075,846	85,490,809	36,670,859

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the counties shown separately. In the case of Ringgold County, in which fewer than 10 wage earners were employed, statistics are here presented in order that comparison may be made with the corresponding figures for 1927 (published in mimeographed form).
[4] For statistics by industries for this county, see Table 13.
[5] Crawford, Harrison, Osceola, and Van Buren Counties. (See footnote 3.)
[6] Not including Burlington, Newton, Ottumwa, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments located either in the cities or outside the cities but within the counties in which the cities are situated.
[7] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	99,311	82,484	16,827	1,897	1,812	85	[2] 1,969	[2] 1,881	[2] 88	[2] 13,767	[2] 8,995	[2] 4,772	81,678	[3] 69,796	[3] 11,882
1919 [1, 4]	105,439	87,964	17,455	5,393	5,209	184	1,883	1,819	64	17,612	12,876	4,736	80,551	68,080	12,471
1914 [4]	82,631	70,211	12,420	5,421	5,263	158	1,283	1,247	36	12,814	10,065	2,749	63,113	53,636	9,477
1909	78,360	66,202	12,158	5,323	5,137	186	1,424	1,399	25	9,978	7,896	2,082	61,635	51,770	9,865

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 99; male, 98; female, 1. Other salaried officers and employees—total, 609; male, 395; female, 214. The corresponding data for 1919 and earlier years are included in the respective items for those years, but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries by States are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	Feburary	March	April	May	June	July	August	September	October	November	December	
1929 [1]	81,678	77,*138*	78,239	78,006	79,223	80,345	81,776	83,384	86,240	**90,624**	84,149	81,047	79,965	85.1
1919 [1]	80,551	75,556	76,*141*	75,692	76,185	77,980	79,963	81,343	83,928	85,417	84,496	**85,825**	85,086	87.6
1914 [1]	63,113	61,051	60,856	62,144	62,970	62,982	63,658	63,519	**67,645**	67,085	63,639	60,946	*60,661*	89.4
1909 [1]	61,635	*55,649*	56,081	57,912	60,328	61,440	62,581	62,215	66,408	**68,006**	64,097	62,895	62,018	81.8

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	3,317	81,678	45 and over but under 48	72	4,406
			48	538	17,277
Not reported	286	729	Over 48 but under 54	410	16,032
Under 40	69	379	54	396	8,614
40	25	2,841	Over 54 but under 60	255	13,703
Over 40 but under 44	24	131	60 and over	905	10,332
44 and over but under 45	337	7,234			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	3,317	5,683	5,528	81,678	80,551	61,635	51 to 100	158	135	130	11,331	9,470	9,188
							101 to 250	88	96	68	13,410	15,048	10,228
No wage earners	110	781	643				251 to 500	25	25	24	8,330	8,650	8,617
1 to 5	1,820	3,490	3,525	4,750	7,101	7,169	501 to 1,000	18	12	9	12,789	8,878	6,231
6 to 20	791	813	815	8,706	8,921	8,903	1,001 to 2,500	8	9	1	[1] 12,800	12,015	1,075
21 to 50	298	322	313	99,562	10,468	10,224	2,501 and over	1					

[1] Combined to avoid disclosing number of wage earners reported by an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	3,317	5,683	5,528	81,678	80,551	61,635	$898,213,272	$745,472,697	$259,237,637	$323,819,543	$225,231,890	$88,530,589
Less than $5,000	[2]	1,491	2,281	[2]	930	2,639	[2]	3,883,673	5,437,954	[2]	2,426,493	3,474,403
$5,000 to $19,999	1,155	1,985	1,696	2,732	4,808	6,836	13,160,268	20,732,463	16,965,804	8,178,613	11,684,884	9,175,990
$20,000 to $99,999	1,177	1,381	1,156	8,983	10,219	14,344	57,106,718	64,432,786	50,150,907	27,482,491	25,566,436	18,679,294
$20,000 to $49,999	690	[3]	[3]	3,897	[3]	[3]	22,302,045	[3]	[3]	12,445,774	[3]	[3]
$50,000 to $99,999	487	[3]	[3]	5,086	[3]	[3]	34,804,673	[3]	[3]	15,036,717	[3]	[3]
$100,000 to $499,999	751	642		[20,265	21,019		167,574,028	136,851,077		65,543,634	56,009,329	
$100,000 to $249,999	494	[3]		9,742	[3]		78,301,427	[3]		30,668,989	[3]	
$250,000 to $499,999	257	[3]	366	10,523	[3]	27,422	89,272,601	[3]	91,097,657	34,874,645	[3]	38,737,562
$500,000 to $999,999	131	87		10,590	8,489		90,646,493	58,983,459		38,284,889	24,565,177	
$1,000,000 and over	103	97	29	39,108	35,086	10,394	569,725,765	460,589,239	95,585,315	184,329,916	104,979,571	18,463,340
$1,000,000 to $2,499,999	67	[3]	[3]	14,522	[3]	[3]	103,265,452	[3]	[3]	52,518,907	[3]	[3]
$2,500,000 to $4,999,999	15	[3]	[3]	4,858	[3]	[3]	51,380,953	[3]	[3]	21,315,688	[3]	[3]
$5,000,000 and over	21	[3]	[3]	19,728	[3]	[3]	415,079,360	[3]	[3]	110,495,321	[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	3,317	5,683	81,678	80,551	$898,213,272	$745,472,697	$323,819,543	$225,231,890
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,634	1,540	73,284	68,089	828,566,573	644,752,520	296,491,446	190,437,574
Other forms of ownership or control (individual, partnership, etc.)	1,683	4,143	8,394	12,462	69,646,699	100,720,177	27,328,097	34,794,316
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	477	(1)	39,555	(1)	476,314,505	(1)	148,261,214	(1)
Independent (single-unit)	2,840	(1)	42,123	(1)	421,898,767	(1)	175,558,329	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers									Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	366,760	145,916	641	73,266	88	66,224	107	5,231	23	1,195	31,519	220,844	8,295	110,588
1927	330,702	143,563	710	76,621	79	61,183	155	4,558	25	1,201	24,041	187,139	7,620	101,015
1925	308,016	143,291	845	88,641	76	47,988	222	5,590	28	1,072	20,052	164,725	6,537	84,703
1919 [1]	242,820	130,334	1,176	101,494	63	17,948	809	7,030	94	3,862	14,605	112,486	3,895	53,799
1914 [1]	189,800	139,746	[2] 1,640	[2] 125,340	(3)	(3)	1,254	8,868	150	5,538	7,474	50,054	2,682	51,773
Counties in which aggregate horsepower exceeded 25,000: 1929														
Cerro Gordo	33,577	26,020	19	10,020	8	16,000					693	7,557	428	19,874
Linn	37,060	9,299	19	[4] 2,872	10	6,427	1	(4)			2,662	27,761	696	10,455
Polk	41,392	12,995	38	5,093	8	7,812	3	90			4,063	28,397	223	6,946
Scott	33,758	20,647	27	4,907	8	15,740					1,806	13,111	1,279	21,351
Woodbury	25,767	8,525	32	[4] 7,188	13	1,337	1	(4)			1,955	17,242	575	2,789

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Items for internal-combustion engines included with those for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	366,760	145,916	220,844	110,588	Jasper	7,505	301	7,204	
					Jefferson	1,851	720	1,131	(2)
Adair	92	40	52		Johnson	1,461	525	936	
Adams	57	37	20		Jones	740	187	553	12
Allamakee	328	149	179		Keokuk	585	485	100	158
Appanoose	2,258		2,258		Kossuth	483	186	297	
Audubon	362	112	250		Lee	23,411	10,967	12,444	7,827
Benton	1,562	1,045	517	650	Linn	37,060	9,299	27,761	10,455
Black Hawk	18,701	4,818	13,883	5,514	Louisa	248	10	238	
Boone	1,490	254	1,236		Lucas	357	25	332	
Bremer	1,112	413	699	105	Lyon	148	35	113	
Buchanan	665	110	555		Madison	181		181	
Buena Vista	745	100	645		Mahaska	1,087	480	607	40
Butler	408	165	243	10	Marion	1,271	548	723	
Calhoun	288	105	183		Marshall	5,238	348	4,890	100
Carroll	1,182	288	894		Mills	474	135	339	
Cass	1,309	505	804		Mitchell	274	122	152	
Cedar	516	172	344		Monona	189		189	
Cerro Gordo	33,577	26,020	7,557	19,874	Monroe	295	100	195	
Cherokee	186	68	118		Montgomery	1,192	745	447	400
Chickasaw	441	260	181		Muscatine	6,456	3,410	3,046	1,114
Clarke	78	5	73		O'Brien	338	75	263	
Clay	285		285		Page	876	47	829	
Clayton	1,156	690	566	162	Palo Alto	284	76	208	
Clinton	16,421	9,761	6,660	11,607	Plymouth	718	95	623	
Dallas	2,976	585	2,391		Pocahontas	108		108	
Davis	102		102		Polk	41,392	12,995	28,397	6,946
Decatur	274	40	234		Pottawattamie	6,306	847	5,459	299
Delaware	373	60	313		Poweshiek	579	223	356	
Des Moines	9,949	5,643	4,306	5,529	Ringgold	48		48	
Dickinson	101	5	96		Sac	437	162	275	
Dubuque	16,622	5,718	10,904	9,308	Scott	33,768	20,647	13,111	21,351
Emmet	1,875	1,675	300		Shelby	522	240	282	
Fayette	3,014	2,155	859	2,346	Sioux	544	138	406	
Floyd	7,056	933	6,123	70	Story	1,918	655	1,263	118
Franklin	1,563	201	1,362		Tama	2,005	1,511	494	360
Fremont	310	280	30		Taylor	77		77	
Greene	249		249		Union	1,073	410	663	
Grundy	282	31	251		Wapello	8,388	2,073	6,315	263
Guthrie	229	17	212		Warren	59	18	41	
Hamilton	765	23	742	15	Washington	473	237	236	(2)
Hancock	227	122	105		Wayne	327	132	195	12
Hardin	773	116	657		Webster	12,188	1,705	10,483	1,293
Henry	494	92	402		Winnebago	465	279	186	
Howard	520	353	167	80	Winneshiek	865	304	561	24
Humboldt	346	56	290		Woodbury	25,767	8,525	17,242	2,789
Ida	123		123		Worth	447	360	87	192
Iowa	842	650	192	110	Wright	1,820	1,435	385	1,447
Jackson	993	94	899		All other counties	1,195	333	862	

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	2,392,687	$9,508,074	2,226,595	2,458,070	2,171,655	2,372,691	1,845,221
Anthracite (tons, 2,240 pounds)	24,074	141,995	(3)	90,670	15,400	10,279	8,726
Bituminous (tons, 2,000 pounds)	2,365,724	9,366,079	(3)	2,356,520	2,154,407	2,361,179	1,835,448
Coke (tons, 2,000 pounds)	103,287	987,404	(4)	(4)	134,841	83,082	49,584
Fuel oils, including crude oils and gas oils (gallons) [5]	31,064,185	1,424,355	(4)	(4)	24,106,236)	11,770,962	7,849,170
Gasoline and kerosene (gallons) [5]	1,133,120	131,714	(4)	(4)	1,110,522)		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	374,054	287,533	(4)	(4)	181,957	120,699	66,505
Other fuels		120,765	(4)	(4)	(4)	(4)	(4)
Electric energy purchased (kilowatt-hours)	392,856,735	5,345,154	(6)	(4)	(4)	(4)	(4)
Total cost of fuel and purchased energy		[7] 17,804,999	*Cost* $16,843,971	*Cost* (6)	*Cost* $14,205,936	*Cost* $7,781,260	*Cost* $5,244,142

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	3,317	[3]15,736	81,678	145,916	220,844	[3]34,916,521	102,326,738	556,592,882	17,800,847	898,213,272	323,819,543
Agricultural implements	18	135	671	58	2,143	356,096	969,933	1,720,248	70,718	5,539,573	3,748,607
Awnings, tents, sails, and canvas covers	13	34	62		70	49,846	62,654	155,002	4,362	438,801	279,437
Baskets and rattan and willow ware, not including furniture	5	36	163	195	88	69,064	101,526	145,835	3,566	385,834	236,433
Beverages	92	89	270	102	728	168,351	318,978	808,916	43,289	2,125,849	1,273,644
Bookbinding and blank-book making	10	20	149		187	51,278	158,321	190,382	7,584	637,896	439,930
Boots and shoes, other than rubber	5	47	388	60	180	78,538	306,609	969,634	11,617	1,749,234	767,983
Boxes, cigar, wooden	3	2	18		13	(4)	12,545	10,632	554	35,575	24,389
Boxes, paper, not elsewhere classified	10	50	283		335	102,930	254,632	666,202	15,987	1,291,729	609,540
Boxes, wooden, except cigar boxes	5	7	78	16	377	9,981	60,746	109,185	3,992	235,865	122,708
Bread and other bakery products	404	439	3,516	844	6,509	996,622	4,048,869	11,919,428	636,032	25,016,214	12,460,754
Brooms	21	18	159	125	169	49,605	170,107	338,344	6,871	716,447	371,232
Butter	446	854	2,082	5,446	9,774	1,184,922	2,552,111	84,242,037	862,869	96,956,244	11,851,338
Buttons	52	148	2,332	1,787	959	486,409	1,829,176	2,688,944	73,085	6,236,357	3,474,328
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves and sauces	65	190	1,820	4,246	4,740	380,957	1,285,359	6,057,843	151,385	11,694,558	5,485,330
Car and general construction and repairs, electric-railroad repair shops	12	20	238		820	42,265	301,537	265,405	22,531	631,738	343,802
Car and general construction and repairs, steam-railroad repair shops	60	802	9,999	9,673	9,981	1,933,350	15,828,588	7,948,134	876,541	26,686,613	17,861,938
Carriages, wagons, sleighs, and sleds	5	14	65	100	180	28,502	65,164	132,801	8,520	288,760	147,439
Caskets, coffins, burial cases, and other morticians' goods	15	58	336	60	1,020	164,219	402,023	863,519	27,341	1,848,872	958,012
Cement	6	122	1,215	39,870	5,165	391,610	1,994,639	556,097	2,209,925	10,313,462	7,547,440
Cheese	12	4	11	49	23	2,016	12,531	197,229	5,725	244,317	41,363
Chemicals, not elsewhere classified	4	35	211		2,518	105,888	287,928	882,673	793,288	3,061,034	1,385,073
Cigars and cigarettes	20	26	307		20	44,325	214,129	272,458	3,899	676,297	399,940
Clay products (other than pottery) and nonclay refractories	42	154	1,670	2,620	10,476	410,978	1,903,722	162,989	1,353,748	5,791,175	4,274,438
Cleaning and polishing preparations	8	30	23	39	16	57,425	26,006	117,455	1,942	362,943	243,546
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	9	56	518		98	135,550	426,419	1,619,109	14,582	2,831,169	1,197,478
Clothing, women's, not elsewhere classified	8	18	219		138	38,705	138,265	1,156,117	5,850	2,379,083	1,217,116
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	15	74	899		243	152,008	543,396	1,645,316	20,219	2,742,693	1,077,158
Coffee and spice, roasting and grinding	13	65	144	125	623	141,498	162,350	3,234,866	18,248	4,266,797	1,013,683
Compressed and liquefied gases	6	38	31		628	63,780	48,185	172,522	37,132	600,682	391,028
Concrete products	42	49	170	8	708	91,067	196,318	270,121	16,068	730,978	444,789
Condensed and evaporated milk	5	15	31	85	146	22,772	39,881	776,990	15,989	1,248,638	455,659
Confectionery	29	141	869	1,085	1,049	355,905	713,066	2,421,193	82,654	4,790,684	2,286,837
Cooperage	10	13	157	175	369	28,490	170,115	971,878	9,835	1,399,570	417,857
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	40	136	504	45	1,259	315,593	548,895	2,401,994	33,889	4,146,102	1,710,219

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Corn sirup, corn sugar, corn oil, and starch	3	237	1,491	14,294	120	696,225	2,039,645	18,452,291	1,011,909	29,054,772	9,590,572
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	10	128	382	250	1,099	244,761	425,857	1,097,091	45,126	3,078,355	1,936,138
Doors, shutters, and window sash and frames, metal	3	10	29	-------	35	17,965	24,186	41,157	1,638	105,126	62,331
Druggists' preparations	14	82	188	-------	324	243,930	256,718	976,459	27,561	2,211,677	1,207,657
Fancy and miscellaneous articles, not elsewhere classified	4	10	59	-------	110	21,620	38,896	50,248	2,612	162,821	109,961
Feeds, prepared, for animals and fowls	25	89	186	146	3,246	169,197	218,920	4,303,507	62,879	5,463,772	1,097,386
Flour and other grain-mill products	63	106	349	3,947	7,528	211,762	439,279	11,307,347	171,236	13,678,431	2,199,848
Food preparations, not elsewhere classified	9	12	48	300	183	23,727	51,043	271,129	12,096	462,939	179,714
Foundry and machine-shop products, not elsewhere classified	145	1,022	4,531	2,120	14,065	2,350,143	6,131,179	10,319,811	666,430	25,755,878	14,769,637
Fur goods	24	72	222	-------	211	121,643	232,638	516,391	14,872	1,466,357	935,094
Furniture, including store and office fixtures	30	149	1,852	1,821	2,341	439,702	1,715,697	3,919,885	90,466	7,241,631	3,231,280
Gas, manufactured, illuminating and heating	53	395	648	5,282	2,842	562,602	756,099	954,908	1,871,852	8,191,511	5,364,751
Glass products (except mirrors) made from purchased glass	3	-------	6	-------	2	----------	5,610	7,940	214	25,496	17,342
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics	8	25	333	-------	184	31,090	207,858	699,970	10,180	1,097,036	386,886
Grease and tallow, not including lubricating greases	25	10	122	220	916	24,426	159,817	195,102	54,647	756,143	506,394
Hand stamps and stencils and brands	3	2	8	-------	60	(4)	10,124	8,654	386	41,021	31,981
Hardware not elsewhere classified	5	54	434	150	463	189,956	404,881	568,382	32,784	1,569,947	968,781
Hats and caps, except felt and straw, men's	7	16	63	-------	60	36,513	66,013	154,940	1,929	323,551	166,682
Ice cream	100	99	294	301	2,897	218,453	415,334	2,123,359	128,864	4,600,268	2,348,045
Ice, manufactured	45	97	399	2,825	7,311	228,924	504,179	120,053	380,360	2,178,790	1,678,377
Jewelry	5	7	29	-------	13	8,448	39,154	13,717	773	109,854	95,364
Lime	4	16	79	-------	731	31,426	115,488	29,341	33,060	322,976	260,575
Lithographing	4	45	115	-------	255	133,229	181,172	293,792	8,478	790,154	487,884
Machine-tool accessories and small metal-working tools, not elsewhere classified	5	11	39	-------	112	19,805	61,793	25,682	3,519	145,866	116,665
Machine tools	6	115	473	-------	1,195	343,148	771,425	759,088	35,665	3,113,959	2,319,206
Marble, granite, slate, and other stone products	18	40	144	-------	1,560	102,683	239,287	297,999	24,417	998,627	676,211
Mattresses and bed springs, not elsewhere classified	11	18	131	-------	521	64,643	147,163	474,218	15,598	877,909	388,093
Meat packing, wholesale	24	1,117	8,263	8,286	19,848	2,583,155	10,453,050	215,454,894	1,440,589	244,725,776	27,830,293
Millinery	4	12	158	-------	52	54,040	136,581	166,915	1,740	524,246	355,591
Models and patterns, not including paper patterns	4	2	26	-------	45	(4)	48,710	12,892	1,415	96,538	82,231
Motor-vehicle bodies and motor-vehicle parts	17	104	371	150	847	232,394	412,804	893,259	19,266	2,010,951	1,128,426
Paints and varnishes	4	7	37	-------	114	24,220	35,382	461,434	6,416	738,892	271,042
Paper goods, not elsewhere classified	5	17	55	-------	143	55,235	64,457	919,386	7,227	1,235,139	308,526
Patent or proprietary medicines and compounds	54	316	324	293	1,358	589,361	302,170	1,746,220	26,559	5,127,333	3,354,554
Photo-engraving, not done in printing establishments	8	46	86	-------	83	150,147	198,622	49,079	8,206	557,753	500,468
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	65	613	3,525	10,650	5,480	1,393,801	3,844,704	9,771,677	105,505	18,055,506	8,178,324
Poultry killing, dressing, and packing, wholesale	85	244	1,438	166	2,906	370,585	1,365,955	18,699,643	159,315	22,839,901	3,980,943
Printing and publishing, book and job	197	483	1,469	385	1,994	1,022,095	1,959,137	2,148,354	100,196	7,561,418	5,312,871
Printing and publishing, newspaper and periodical	401	2,634	3,040	1,017	9,680	5,118,445	4,658,497	5,495,567	250,809	28,922,914	23,146,478
Pumps (hand and power) and pumping equipment	8	87	436	150	1,267	200,344	556,756	842,586	43,819	2,738,743	1,852,338
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	3	24	109	225	92	86,756	147,220	228,208	5,809	645,124	411,107
Rubber tires and inner tubes	3	40	193	-------	1,929	97,962	191,509	796,078	58,111	1,283,166	428,977
Saddlery and harness	13	65	181	60	171	167,057	232,891	1,101,691	11,189	1,799,058	686,178
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	7	6	89	10	249	20,255	107,900	457,966	6,570	756,401	291,865
Shirts	5	13	130	-------	50	23,703	85,653	435,379	2,559	798,881	360,943
Signs and advertising novelties	18	119	321	-------	243	232,123	340,234	944,256	20,292	2,224,581	1,260,053
Stoves and ranges (other than electric) and warm-air furnaces	15	113	526	-------	1,591	439,559	751,218	1,301,318	61,027	5,123,022	3,760,677
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	14	140	650	75	2,308	325,448	781,260	2,737,240	76,825	5,056,752	2,242,687
Surgical and orthopedic appliances, including artificial limbs	3	3	7	-------	7	5,604	7,904	4,092	259	31,575	27,224
Tobacco: Chewing and smoking, and snuff	4	1	15	-------	6	(4)	10,325	34,642	560	90,367	55,165
Tools, not including edge tools, machine tools, files, or saws	9	37	188	-------	884	109,471	208,344	431,396	25,179	1,149,148	692,573
Toys (not including children's wheel goods or sleds), games, and playground equipment	5	15	93	-------	124	36,056	78,366	105,981	5,237	237,591	126,373
Wall plaster, wall board, insulating board, and floor composition	8	91	605	1,125	6,872	197,269	900,079	1,739,144	555,817	4,515,826	2,220,865
Washing machines, wringers, driers, and ironing machines, for household use	9	357	2,433	-------	6,969	1,071,832	4,336,527	13,604,547	276,694	29,738,317	15,857,076
Wirework, not elsewhere classified	11	26	212	-------	913	67,506	223,236	1,219,980	30,017	1,768,401	518,404
Other industries	172	2,198	14,336	24,855	44,584	5,195,530	18,112,959	80,745,139	2,304,195	165,933,302	82,883,968

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 708 employees of central administrative offices, with salaries aggregating $1,967,791. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BLACK HAWK COUNTY											
Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Engines, turbines, tractors, and water wheels," as measured by number of wage earners, and "Meat packing, wholesale," as measured by value of products—without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	125	1,226	7,114	4,818	13,883	$2,411,592	$9,771,102	$50,094,914	$1,130,494	$90,121,496	$38,896,088
POLK COUNTY											
[Separate figures are presented for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and combined statistics are given for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]											
All industries, total	341	2,951	9,656	12,995	28,397	$6,817,038	$12,717,310	$51,186,410	$2,241,243	$103,879,503	$50,451,850
Beverages	5	8	18	60	88	18,303	22,959	64,277	3,218	167,830	100,335
Bookbinding and blank-book making	4	8	71	-------	54	23,512	85,505	71,255	2,000	291,888	218,633
Bread and other bakery products	34	84	600	-------	1,077	210,179	656,663	2,130,695	117,748	4,728,365	2,480,922
Brooms	5	12	50	-------	29	29,404	53,272	117,370	1,833	227,922	108,719
Butter	6	46	92	-------	323	99,443	113,631	3,368,611	39,527	3,960,606	552,468
Car and general construction and repairs, steam-railroad repair shops	5	62	637	120	635	159,163	1,072,992	655,036	83,601	1,970,792	1,232,155
Clay products (other than pottery) and nonclay refractories	5	18	261	320	1,119	64,630	273,862	37,021	188,128	750,231	525,082
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	5	10	24	-------	58	28,944	26,177	139,362	1,913	232,076	90,801
Doors, shutters, and window sash and frames, metal	3	10	29	-------	35	17,965	24,186	41,157	1,638	105,126	62,331
Foundry and machine-shop products, not elsewhere classified	12	46	271	-------	1,149	122,443	396,522	646,677	44,364	1,626,667	935,626
Fur goods	4	18	34	-------	58	19,640	46,638	89,763	2,632	276,103	183,708
Furniture, including store and office fixtures	4	20	185	125	1,040	43,934	242,902	334,586	8,062	721,964	379,316
Ice cream	3	8	24	-------	265	21,116	36,069	158,537	10,338	454,519	285,644
Motor-vehicle bodies and motor-vehicle parts	6	13	53	150	305	24,624	52,900	68,087	4,625	196,959	124,247
Patent or proprietary medicines and compounds	12	152	95	235	165	224,311	97,288	460,294	7,223	1,662,628	1,195,111
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	6	44	150	125	820	103,571	215,275	626,497	12,433	1,310,511	671,581
Printing and publishing, book and job	57	159	332	235	508	315,219	512,986	603,494	22,545	2,029,176	1,403,137
Printing and publishing, newspaper and periodical	24	1,099	938	875	3,251	2,270,829	1,538,343	2,985,278	65,255	13,384,755	10,334,222
Stoves and ranges (other than electric) and warm-air furnaces	6	54	190	-------	582	179,295	278,301	443,771	18,181	1,287,075	825,123
Other industries	135	1,080	5,602	10,750	16,836	2,840,513	6,970,839	38,144,642	1,605,979	68,493,310	28,742,689

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 14.—GENERAL STATISTICS FOR DES MOINES, BY INDUSTRIES: 1929

[This table gives separate figures for each industry for which it is possible to put lish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. The totals for all industries do not include data for establishments located outside the city (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	330	2,862	8,813	12,995	21,963	$6,567,566	$11,473,650	$50,092,904	$1,805,819	$98,905,779	$47,007,056
Beverages	5	8	18	60	88	18,303	22,959	64,277	3,218	167,830	100,335
Bookbinding and blank-book making	4	8	71	.....	54	23,512	85,505	71,255	2,000	291,888	218,633
Bread and other bakery products [1]	34	84	600	.....	1,077	210,179	656,663	2,130,695	117,748	4,729,365	2,486,922
Brooms	5	12	50	.....	29	29,404	53,272	117,370	1,833	227,922	108,719
Butter	6	46	92	.....	323	99,443	113,631	3,368,611	39,527	3,960,606	552,468
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	5	10	24	.....	58	28,944	26,177	139,362	1,913	232,076	90,801
Doors, shutters, and window sasb and frames, metal	3	10	29	.....	35	17,965	24,186	41,157	1,638	105,126	62,331
Foundry and macbine-sbop products, not elsewhere classified	12	46	271	.....	1,149	122,443	396,522	646,677	44,364	1,626,667	935,626
Fur goods	4	18	34	.....	58	19,640	46,638	89,763	2,632	276,103	183,708
Furniture, including store and office fixtures	4	20	185	125	1,040	43,934	242,902	334,586	8,062	721,964	379,316
Ice cream	3	8	24	.....	265	21,116	36,069	158,537	10,338	454,519	285,644
Motor-vebicle bodies and motor-vebicle parts	6	13	53	150	305	24,624	52,900	68,087	4,625	196,959	124,247
Patent or proprietary medicines and compounds	12	152	95	235	165	224,311	97,288	460,294	7,223	1,662,628	1,195,111
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	6	44	150	125	820	103,571	215,275	626,497	12,433	1,310,511	671,581
Printing and publishing, book and job	57	159	332	235	508	315,219	512,986	603,494	22,545	2,029,176	1,403,137
Printing and publishing, newspaper and periodical [1]	24	1,099	938	875	3,251	2,270,829	1,538,343	2,985,278	65,255	13,384,755	10,334,222
Stoves and ranges (other than electric) and warm-air furnaces	6	54	190	.....	582	179,295	278,301	443,771	18,181	1,287,075	825,123
Other industries	138	1,073	5,682	11,190	12,175	2,815,874	7,096,690	37,777,844	1,444,170	66,326,274	27,104,260

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The items for each of the two industries covered by this footnote include data for 2 establishments located outside the city, to avoid disclosing the figures reported by the establishments in question.

KANSAS

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	1,916	47,373	298,487	148,678	149,809	$63,348,328	$546,246,575	$534,104,605	$12,141,970	$751,613,194	$205,366,619
1927	1,767	45,368	279,426	146,894	132,532	59,925,089	518,141,326	502,995,148	15,146,178	681,570,334	163,429,008
1925	1,878	46,659	276,874	157,730	119,144	59,207,393	538,201,643	(4)	(4)	706,249,994	168,048,351
1923	1,786	51,255	255,555	163,441	92,114	65,056,299	444,419,887	(4)	(4)	595,029,564	150,609,677
1921	1,926	44,938	(5)	(5)	(5)	59,207,998	428,126,544	(4)	(4)	561,133,686	133,007,142
1919	3,474	61,049	233,945	161,657	72,288	73,060,019	750,087,987	734,546,932	15,541,055	913,667,094	163,579,107
1914	3,136	41,259	178,246	151,444	26,802	25,969,537	261,147,990	254,918,713	6,229,277	323,234,194	62,086,204
1909	3,435	44,215	212,388	200,579	11,809	25,903,960	258,883,706	254,202,958	4,680,748	325,104,002	66,220,296
1904	2,475	35,570	99,085	96,601	2,484	18,883,071	156,509,949	153,442,878	3,067,071	198,244,992	41,735,043
1899	2,299	27,119	68,079	66,659	1,420	12,802,096	120,737,677	(6)	(6)	154,008,544	33,270,867
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	8.4	4.4	6.8	1.2	13.0	5.7	5.4	6.2	−19.8	10.3	25.7
1925–1927	−5.9	−2.8	0.9	−6.9	11.2	1.2	−3.7			−3.5	−2.7
1923–1925	5.2	−9.0	8.3	−3.5	29.3	−9.0	21.1			18.7	11.6
1921–1923	−7.3	14.1				9.9	3.8			6.0	13.2
1919–1921	−44.6	−26.4				−19.0	−42.9			−38.6	−18.7
1919–1929	−44.8	−22.4	27.6	−8.0	107.2	−13.3	−27.2	−27.3	−21.9	−17.7	25.5
1909–1919	1.1	38.1	10.1	−19.4	512.1	182.0	189.7	189.0	232.0	181.0	147.0
1899–1909	49.4	63.0	212.0	200.9	731.6	102.3	114.4			111.1	99.0

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR KANSAS CITY INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	1,880,999	1,916	47,373	298,487	$63,348,328	$546,246,575	$534,104,605	$12,141,970	$751,613,194	$205,366,619
Kansas City Industrial Area, [3] total	638,476	1,169	48,332	214,781	63,705,471	511,338,467	503,267,055	8,071,412	741,237,997	229,899,530
Portion in Kansas	141,211	170	14,035	74,919	19,425,660	258,684,006	255,980,481	2,703,525	316,873,605	58,189,599
Portion in Missouri	497,265	999	34,297	139,862	44,279,811	252,654,461	247,286,574	5,367,887	424,364,392	171,709,931
Counties in Kansas [4]										
Allen	21,391	25	1,028	23,163	1,193,219	3,586,771	2,579,498	1,007,273	9,130,443	5,543,672
Anderson	13,355	15	113	676	105,868	458,950	447,026	11,924	760,160	301,210
Atchison	23,945	37	998	6,420	1,284,280	11,770,791	11,505,244	265,547	15,676,305	3,905,514
Barber	10,178	7	80	1,101	78,881	542,831	515,910	26,921	1,095,167	552,336
Barton	19,776	22	519	2,158	748,145	4,731,285	4,646,629	84,656	6,730,326	1,999,041
Bourbon	22,386	29	781	3,123	974,806	2,840,563	2,721,577	118,986	4,751,532	1,910,969
Butler	35,904	30	881	5,597	1,291,374	19,498,910	19,298,843	200,067	28,160,697	8,661,787
Chase	6,952	5	17	61	18,269	91,577	86,234	5,343	149,101	57,524
Chautauqua	10,352	5	95	837	106,646	45,625	16,040	29,585	241,688	196,063
Clay	14,556	18	133	584	130,848	1,236,851	1,221,506	15,345	1,678,827	441,976
Cloud	18,006	26	153	1,658	185,962	1,856,155	1,797,983	58,172	2,771,990	915,835
Coffey	13,653	7	36	101	29,872	257,880	253,758	4,122	374,321	116,441
Comanche	5,238	6	11	42	10,524	20,233	18,340	1,893	59,503	39,270
Cowley	40,903	47	1,178	8,482	1,694,247	23,447,940	23,118,282	329,658	32,429,568	8,981,628
Crawford	49,329	57	1,365	5,666	1,866,906	3,594,975	3,374,862	220,113	7,396,401	3,801,426

See footnotes at end of table.

TABLE 2.—SUMMARY FOR KANSAS CITY INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929—Con

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties in Kansas[4]—Continued										
Decatur	8,866	7	17	104	$18,090	$82,439	$78,391	$4,048	$145,587	$63,148
Dickinson	25,870	38	575	2,832	808,632	4,791,217	4,706,093	85,124	6,717,004	1,925,787
Doniphan	14,063	5	17	230	8,809	41,532	40,563	969	69,051	27,519
Douglas	25,143	38	407	2,451	519,354	3,555,702	3,434,545	121,157	5,413,283	1,857,581
Edwards	7,295	6	17	204	20,303	181,622	176,791	4,831	283,267	101,645
Elk	9,210	5	7	162	6,432	14,192	11,810	2,382	43,729	29,537
Ellis	15,907	9	128	755	203,498	1,224,814	1,192,598	32,216	1,820,734	595,920
Ellsworth	10,132	14	193	1,774	224,185	1,542,026	1,494,443	47,583	2,185,741	643,715
Finney	11,014	9	110	5,660	119,498	811,974	753,673	58,301	1,188,971	376,997
Ford	20,647	20	108	880	137,868	1,269,110	1,242,988	26,122	1,932,979	663,869
Franklin	22,024	16	277	1,263	320,220	1,945,989	1,893,099	62,890	3,122,757	1,176,768
Geary	14,366	12	200	1,375	316,662	1,080,988	1,041,385	39,603	1,809,132	728,144
Greenwood	19,235	11	39	404	44,386	189,888	181,904	7,984	330,206	140,318
Harper	12,823	10	73	1,265	81,988	1,870,129	1,840,928	29,201	2,707,285	837,156
Harvey	22,120	19	532	2,957	794,983	4,589,652	4,474,397	115,255	6,999,670	2,410,018
Jackson	14,776	12	59	301	54,668	278,936	269,607	9,329	455,967	177,031
Jefferson	14,129	3	6	18	5,984	3,179	2,655	524	24,433	21,254
Jewell	14,462	5	8	19	10,388	8,998	7,669	1,329	45,500	36,502
Johnson	27,179	14	85	402	96,343	459,240	443,857	15,383	823,810	364,570
Kearny	3,196	4	14	253	11,073	84,732	77,800	6,932	110,150	25,418
Labette	31,346	34	1,166	7,607	1,710,574	4,175,773	4,054,782	120,991	6,907,862	2,732,089
Leavenworth	42,673	46	1,162	6,207	1,259,438	5,458,336	5,301,536	156,800	8,120,309	2,661,973
Lincoln	9,707	5	11	207	10,215	91,840	90,676	1,164	144,184	52,344
Logan	4,145	5	21	123	32,452	104,802	99,534	5,268	188,792	83,990
Lyon	29,240	28	158	1,127	200,651	680,547	639,960	40,587	1,266,648	586,101
McPherson	23,588	22	136	2,469	153,767	2,843,033	2,800,889	42,144	3,902,143	1,059,110
Marion	20,739	19	67	616	71,815	402,990	389,860	13,130	633,695	230,705
Marshall	25,056	27	270	1,802	327,088	1,584,988	1,512,549	72,439	2,468,327	883,339
Miami	21,243	14	423	1,373	616,622	456,455	409,228	47,227	1,240,051	783,596
Mitchell	12,774	10	32	395	37,985	610,434	599,587	10,847	840,540	230,106
Montgomery	51,411	88	3,332	27,494	4,561,084	23,935,668	21,993,017	1,942,651	42,745,567	18,809,899
Morton	4,092	5	13	141	14,635	80,790	77,015	3,775	130,624	49,834
Nemaha	18,342	14	57	155	56,343	526,311	513,180	13,131	692,284	165,973
Neosho	22,665	24	591	9,813	829,341	3,113,181	2,648,282	464,899	5,876,575	2,763,394
Norton	11,701	12	67	324	70,797	685,936	671,032	14,904	902,500	216,564
Osage	17,538	14	67	448	59,142	248,212	241,993	6,219	401,183	152,971
Osborne	11,568	12	48	278	47,047	323,193	316,833	6,360	446,744	123,551
Ottawa	9,819	6	19	738	25,834	302,881	298,852	4,029	443,323	140,442
Phillips	12,159	8	26	332	31,043	36,604	31,479	5,125	105,160	68,556
Pottawatomie	15,862	10	26	320	31,857	67,582	53,388	4,194	130,065	72,483
Rawlins	7,362	3	9	57	8,560	27,183	25,811	1,372	69,641	32,458
Reno	47,785	61	1,401	14,275	1,608,641	12,857,325	12,233,434	623,891	19,795,388	6,938,063
Republic	14,745	12	49	339	56,529	103,748	95,688	8,060	255,776	152,028
Rice	13,800	12	314	2,788	351,683	2,768,226	2,582,475	185,751	4,488,258	1,720,032
Riley	19,882	25	137	865	156,600	694,480	675,478	19,002	1,133,128	438,648
Rooks	9,534	4	16	40	16,598	36,760	31,230	5,530	87,850	61,090
Saline	29,337	55	748	5,883	942,365	14,900,179	14,663,205	236,974	19,348,058	4,447,879
Scott	3,976	4	12	35	9,429	28,961	28,961		60,833	31,872
Sedgwick	136,330	239	5,925	20,964	7,621,263	69,455,035	58,553,733	901,302	84,989,894	25,534,859
Seward	8,075	6	34	370	80,731	446,268	440,520	6,748	716,249	269,981
Shawnee	85,200	119	3,847	12,982	5,621,807	24,592,569	24,058,371	534,198	39,457,938	14,865,369
Sherman	7,400	6	134	458	189,911	123,255	99,540	23,715	394,326	271,071
Smith	13,545	5	20	96	26,103	186,952	180,339	6,613	289,276	102,324
Sumner	28,960	22	356	2,686	608,888	4,954,181	4,879,980	74,201	6,546,649	1,692,468
Thomas	7,334	5	14	95	13,502	44,883	43,860	1,023	84,697	39,814
Wabaunsee	10,830	7	11	32	10,516	14,206	13,115	1,091	49,133	34,927
Washington	17,112	11	66	159	73,075	490,803	481,032	9,771	680,317	189,514
Wilson	18,646	31	800	10,765	1,018,698	9,459,456	8,932,007	627,449	13,654,353	4,094,897
Woodson	8,526	4	14	95	13,336	22,533	20,007	2,526	63,446	30,913
Wyandotte[3]	141,211	170	14,036	74,919	19,425,660	258,684,006	255,980,481	2,703,525	316,873,605	58,189,599
All other counties[5]	239,360	119	1,479	6,637	2,023,492	12,628,314	12,374,738	253,576	17,472,518	4,844,204
Cities in Kansas having 10,000 inhabitants or more[6]										
Arkansas City	13,946	27	616	5,418	952,091	13,235,908	13,110,860	125,048	19,078,122	5,842,214
Atchison	13,024	34	886	6,275	1,086,716	11,636,126	11,369,849	256,277	15,216,423	3,690,297
Chanute	10,277	14	114	881	137,535	187,463	163,931	23,532	855,229	667,766
Coffeyville	16,198	34	1,324	6,970	1,858,351	10,241,194	9,985,722	255,472	20,031,474	9,790,280
Dodge City	10,059	17	105	868	135,024	1,260,142	1,234,203	25,939	1,904,639	644,497
El Dorado	10,311	16	88	494	107,282	231,784	216,571	15,213	569,870	338,086
Hutchinson	27,085	61	1,006	7,801	1,131,318	10,919,781	10,677,444	242,337	15,818,888	4,899,107
Independence	12,782	28	347	1,311	401,621	625,684	520,512	105,172	1,524,909	899,225
Kansas City[7]	121,857	150	13,187	67,630	18,233,293	255,750,381	253,497,641	2,252,740	311,236,022	55,485,641
Lawrence	13,726	33	400	2,350	511,500	3,529,849	3,410,975	118,874	5,346,946	1,817,097
Leavenworth	17,466	42	984	4,397	1,083,174	4,172,823	4,045,137	127,686	6,492,124	2,319,301
Manhattan	10,136	20	125	833	144,374	635,294	618,054	17,240	1,032,973	397,679
Newton	11,034	16	623	2,891	785,003	4,486,274	4,373,997	112,277	6,861,864	2,375,590
Parsons	14,903	25	1,011	6,681	1,519,721	3,940,761	3,831,939	108,822	6,233,964	2,293,203

See footnotes at end of table.

TABLE 2.—SUMMARY FOR KANSAS CITY INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929—Con.

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Cities in Kansas having 10,000 inhabitants or more[6]—Continued										
Pittsburg	18,145	35	1,124	4,231	$1,618,331	$2,189,272	$2,025,728	$163,544	$5,135,042	$2,945,770
Salina	20,155	51	735	5,676	926,971	14,531,130	14,298,629	232,501	18,865,371	4,334,241
Topeka	64,120	119	3,847	12,982	5,521,807	24,592,569	24,058,371	534,198	39,457,938	14,865,369
Wichita[8]	111,110	219	4,467	17,814	5,890,026	43,095,823	42,438,846	656,977	62,213,241	19,117,418

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Kansas City Industrial Area comprises Jackson and Clay Counties, Mo., and Wyandotte County, Kans For statistics by industries for the area and for Wyandotte County, see Table 13.
[4] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. In the cases of Elk, Jefferson, Jewell, and Rawlins Counties, in which fewer than 10 wage earners were employed, statistics are here presented in order that comparison may be made with the corresponding figures for 1927 (published in mimeographed form).
[5] Brown, Cherokee, Cheyenne, Clark, Gove, Graham, Grant, Gray, Hamilton, Haskell, Hodgeman ,Kingman, Kiowa, Lane, Linn, Meade, Morris, Ness, Pawnee, Pratt, Rush, Russell, Sheridan, Stafford, Stevens, Trego, Wallace, and Wichita Counties. See footnote 4. No manufacturing was reported from Greeley and Stanton Counties.
[6] Not including Emporia and Fort Scott, each of which reported more than 10,000 inhabitants at the census of 1930 It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments.
[7] See explanatory note for Wyandotte County, Table 13, p. 8
[8] Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Meat packing, wholesale"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929[1]	58,619	52,290	6,329	1,278	1,191	87	[2]858	[2]804	[2]54	[2]9,110	[2]6,867	[2]2,243	47,373	[3]43,428	[3]3,945
1919[1,4]	77,009	68,137	8,872	3,562	3,405	157	838	808	30	11,560	9,104	2,456	61,049	54,820	6,229
1914[4]	52,032	47,462	4,570	3,247	3,122	125	526	514	12	7,000	5,949	1,051	41,259	37,877	3,382
1909	54,649	50,156	4,493	3,571	3,440	131	559	544	15	6,304	5,334	970	44,215	40,838	3,377

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any years between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 29; male, 28; female, 1. Other salaried officers and employees—total, 234; male, 110; female, 124. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929[1]	47,373	*45,569*	46,019	45,760	47,029	48,163	**49,101**	48,835	49,059	48,649	48,007	46,428	45,827	92.9
1919[1]	61,049	62,187	58,723	58,037	*56,503*	58,334	59,551	60,242	61,956	62,762	63,411	**66,069**	64,813	85.5
1914[1]	41,259	40,351	*39,748*	39,986	40,170	40,681	41,295	42,361	41,834	42,288	42,750	42,290	41,354	93.0
1909[1]	44,215	*41,337*	41,621	42,554	42,697	43,462	44,411	44,075	44,817	46,105	**46,679**	46,594	46,228	88.6

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[Tha data for each establishment are classified as a total according to the customary hours of labor in that establisbment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,916	47,373	45 and over but under 48	28	986
			48	450	21,296
Not reported	293	728	Over 48 but under 54	130	4,245
Under 40	21	98	54	224	4,585
40	9	362	Over 54 but under 60	127	6,967
Over 40 but under 44	3	21	60 and over	489	5,302
44 and over but under 45	142	2,783			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,916	3,474	3,435	47,373	61,049	44,215	51 to 100	70	76	70	4,706	5,342	4,798
							101 to 250	54	49	41	8,241	7,096	6,374
No wage earners	49	671	546				251 to 500	26	21	14	9,380	6,922	4,820
1 to 5	1,069	1,974	2,152	2,788	3,950	4,275	501 to 1,000	5	11	7	3,127	8,059	5,072
6 to 20	465	484	440	5,079	5,160	4,731	1,001 to 2,500	4	7	5	[1] 8,662	18,640	9,112
21 to 50	173	181	160	5,390	5,880	5,033	2,501 and over	1					

[1] Combined to avoid disclosing number of wage earners reported by an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,916	3,474	3,435	47,373	61,049	44,215	$751,613,194	$913,667,094	$325,104,002	$205,366,619	$163,579,107	$66,220,296
Less than $5,000	(2)	1,136	1,645	(2)	640	1,684	(2)	2,890,511	3,867,954	(2)	1,798,200	2,386,459
$5,000 to $19,999	816	1,200	1,092	1,882	2,612	3,425	8,947,588	12,255,265	9,809,793	5,621,302	6,600,446	5,083,622
$20,000 to $99,999	603	539	491	4,510	5,021	7,411	27,440,610	28,142,681	21,493,918	14,936,878	11,889,467	9,596,074
$20,000 to $49,999	388	(3)	(3)	2,249	(3)	(3)	12,876,529	(3)	(3)	7,476,676	(3)	(3)
$50,000 to $99,999	205	(3)	(3)	2,261	(3)	(3)	14,564,081	(3)	(3)	7,460,202	(3)	(3)
$100,000 to $499,999	297	289		8,795	10,127		69,194,492	66,111,849		31,767,314	25,056,257	
$100,000 to $249,999	188	(3)		4,195	(3)		29,634,450	(3)		15,436,847	(3)	
$250,000 to $499,999	109	(3)	263	4,600	(3)	15,475	39,560,042	(3)	85,547,057	16,330,467	(3)	22,639,748
$500,000 to $999,999	83	72		5,373	5,374		59,828,686	51,751,227		19,875,850	13,474,328	
$1,000,000 and over	117	138	34	26,813	37,275	16,220	586,201,818	752,515,561	204,385,280	133,165,275	104,760,409	26,514,393
$1,000,000 to $2,499,999	74	(3)	(3)	8,783	(3)	(3)	116,472,600	(3)	(3)	38,683,180	(3)	(3)
$2,500,000 to $4,999,999	20	(3)	(3)	3,464	(3)	(3)	69,075,538	(3)	(3)	20,546,129	(3)	(3)
$5,000,000 and over	23	(3)	(3)	14,566	(3)	(3)	400,653,650	(3)	(3)	73,935,966	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,916	3,474	47,373	61,049	$751,613,194	$913,667,094	$205,366,619	$163,579,107
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	774	781	41,328	52,651	701,146,614	849,071,270	179,034,813	141,898,951
Other forms of ownership or control (individual, partnership, etc.)	1,142	2,693	6,045	8,398	50,466,580	64,595,824	26,331,806	21,680,156
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	320	(1)	29,750	(1)	529,741,435	(1)	123,042,449	(1)
Independent (single-unit)	1,596	(1)	17,623	(1)	221,871,759	(1)	82,324,170	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR KANSAS CITY INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers									Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	298,487	148,678	651	69,097	91	48,042	217	29,084	17	2,455	15,571	149,809	4,697	83,008
1927	279,426	146,894	589	72,481	92	42,091	251	28,281	28	4,041	12,430	132,532	4,006	74,839
1925	276,874	157,730	609	79,102	72	44,553	255	29,276	42	4,799	10,512	119,144	3,574	76,949
1919 [1]	233,945	161,657	1,018	112,591	60	16,998	798	25,731	76	6,337	6,988	72,288	2,544	48,280
1914 [1]	178,246	151,444	[2] 997	[2] 123,075	[3]	[3]	956	22,041	72	6,328	3,221	26,802	2,175	37,680
Kansas City Industrial Area, total	214,781	56,683	226	39,307	50	15,620	41	1,756			15,063	158,098	3,993	33,904
Portion in Kansas (Wyandotte County)	74,919	24,690	75	17,045	20	6,980	13	665			3,516	50,229	1,105	13,833
Portion in Missouri (Jackson and Clay Counties)	139,862	31,993	151	22,262	30	8,640	28	1,091			11,547	107,869	2,888	20,071
Counties in which aggregate horsepower exceeded 25,000: 1929														
Montgomery	27,494	19,400	58	4,467	19	10,368	31	4,565			753	8,094	660	14,985
Wyandotte	74,919	24,690	75	17,045	20	6,980	13	665			3,516	50,229	1,105	13,833

[1] Data for the "Automobile repairing," industry are included in the statistics for 1919 and 1914, tbe only years for whicb this industry was canvassed in connection witb tbe census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[Tbis table presents statistics for eacb county for which separate figures are given in Table 2. See footnotes 4 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	298,487	148,678	149,809	83,008
Allen	23,163	16,718	6,445	12,960
Anderson	676	275	401	
Atchison	6,420	435	5,985	
Barber	1,101	1,037	64	605
Barton	2,158	1,552	606	612
Bourbon	3,123	1,140	1,983	[2]
Butler	5,597	1,540	4,057	
Chase	61		61	
Chautauqua	837	811	26	437
Clay	584	95	489	
Cloud	1,658	647	1,011	70
Coffey	101	10	91	
Comanche	42	25	17	
Cowley	8,482	2,886	5,596	312
Crawford	5,666	2,640	3,026	2,955
Decatur	104		104	
Dickinson	2,832	1,975	857	535
Doniphan	230	200	30	
Douglas	2,451	766	1,685	
Edwards	204		204	
Elk	162		162	
Ellis	755	475	280	115
Ellsworth	1,774	1,275	499	177
Finney	5,660	5,383	277	1,650
Ford	880	498	382	30
Franklin	1,263	130	1,133	
Geary	1,375	500	875	235
Greenwood	404	185	219	
Harper	1,265	1,054	211	220
Harvey	2,957	1,282	1,675	273
Jackson	301	120	181	
Jefferson	18		18	
Jewell	19		19	
Johnson	402		402	
Kearny	253		253	
Labette	7,607	5,440	2,167	3,048
Leavenworth	5,207	2,780	2,427	1,371
Lincoln	207	200	7	
Logan	123	30	93	
Lyon	1,127	105	1,022	
McPherson	2,469	1,525	944	20
Marion	616	240	376	[2]
Marshall	1,802	253	1,549	10
Miami	1,373	303	1,070	30
Mitchell	395	180	215	
Montgomery	27,494	19,400	8,094	14,985
Morton	141	60	81	
Nemaba	155	80	75	25
Neosho	9,813	9,034	779	9,730
Norton	324	185	139	[2]
Osage	448	315	133	
Osborne	278	152	126	
Ottawa	738	670	68	
Phillips	332	290	42	
Pottawatomie	320	125	195	
Rawlins	57	50	7	
Reno	14,275	6,772	7,503	962
Republic	339	187	152	
Rice	2,788	643	2,145	600
Riley	865	107	758	
Rooks	40		40	
Saline	5,883	1,380	4,503	50
Scott	35	4	31	
Sedgwick	20,964	6,922	14,042	3,495
Seward	370	340	30	[2]
Shawnee	12,982	6,445	6,537	6,852
Sberman	458	390	68	181
Smith	96		96	
Sumner	2,686	2,375	311	307
Thomas	95	9	86	
Wahaunsee	32	5	27	
Washington	159	17	142	
Wilson	10,765	9,780	985	5,281
Woodson	95	80	15	
Wyandotte	74,919	24,690	50,229	13,833
All other counties	6,637	3,461	3,176	762

[1] Horsepower of electric motors driven by energy generated in establisbments reporting.
[2] Included in total for State but not shown separately to avoid disclosing data for a single establisbment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	636,569	$2,072,106	871,706	979,650	1,410,092	1,156,988	1,002,860
Anthracite (tons, 2,240 lbs.)	32,557	167,362	([3])	30,406	6,213	16,318	38,472
Bituminous (tons 2,000 lbs.)	600,105	1,904,744	([3])	945,595	1,403,043	1,138,712	959,771
Coke (tons, 2,000 lbs.)	30,871	240,462	([4])	([4])	60,523	32,332	22,737
Fuel oils, including crude oils and gas oils (galls.) [5]	128,364,635	2,417,125	([4])	([4])	133,069,860	76,479,816	52,120,278
Gasoline and kerosene (galls.) [5]	195,137	30,400	([4])	([4])	899,136		
Gas, natural (M cu. ft.)	31,453,259	5,184,202	([4])	([4])	13,022,876	16,590,302	35,789,687
Gas, manufactured (M cu. ft.)	4,866,226	717,791	([4])	([4])			
Other fuels		68,428	([4])	([4])	([4])	([4])	([4])
Electric energy purchased (kw.-hours)	221,312,759	3,698,465	([6])	([4])	([4])	([4])	([4])
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 14,428,979	$15,146,178	([6])	$15,541,055	$6,229,277	$4,680,748

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	1,916	[3] 9,968	47,373	148,678	149,809	[3] $21,861,198	$63,348,328	$534,104,605	$12,141,970	$751,613,194	$205,366,619
Agricultural implements	10	38	125	40	348	127,316	133,219	277,434	12,470	887,925	598,021
Aircraft and parts	11	203	913		801	493,786	1,044,739	3,072,558	28,108	6,170,991	3,070,325
Awnings, tents, sails, and canvas covers	15	33	97		69	86,220	99,432	257,304	2,837	593,771	333,630
Bags, other than paper, not made in textile mills	3	28	153		315	56,902	119,578	1,946,123	6,855	2,208,605	256,627
Beverages	66	43	211	16	487	93,986	228,131	534,832	26,416	1,383,215	821,968
Boots and shoes, other than rubber	5	12	77		24	25,447	80,420	148,325	3,443	375,167	223,399
Bread and other bakery products	282	172	1,791	21	4,163	368,558	2,070,708	6,397,474	274,228	11,668,039	5,996,337
Brooms	8	9	68		95	16,523	65,558	125,757	2,559	283,154	154,838
Butter	76	244	637	818	3,770	436,732	730,330	22,448,761	248,014	26,968,057	4,271,282
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	3	1	16		20	([4])	3,180	16,626	294	26,448	9,628
Car and general construction and repairs, electric-railroad repair shops	6	9	43		107	16,840	55,647	37,638	974	111,099	72,487
Car and general construction and repairs, steam-railroad repair shops	36	742	8,810	13,830	6,613	1,911,874	13,875,252	10,881,508	781,647	27,456,328	15,793,173
Cars, electric and steam railroad, not built in railroad repair shops	7	68	643	5	2,682	99,624	822,763	2,474,831	41,449	3,689,077	1,172,797
Caskets, coffins, burial cases, and other morticians' goods	4	20	67		84	59,977	75,696	362,692	3,226	735,568	369,650
Cement	8	208	1,176	32,771	11,338	658,650	1,663,330	1,551,296	2,116,857	11,241,899	7,573,746
Cheese	9	4	16	20	93	3,700	20,300	383,666	10,247	476,857	83,044
Cigars and cigarettes	6	2	92		4	([4])	39,499	74,162	756	194,970	120,052
Clay products (other than pottery) and nonclay refractories	23	93	1,101	5,366	3,142	224,853	1,189,602	137,080	670,669	3,275,469	2,467,820
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	3	8	38		9	9,323	32,143	70,971	498	129,832	58,363
Clothing, women's, not elsewhere classified	4	10	35		9	9,227	19,319	27,252	848	58,838	30,738
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	7	11	291		110	30,250	147,225	423,040	6,119	735,789	306,630
Coffee and spice, roasting and grinding	17	40	62		296	81,214	70,992	1,154,710	9,860	1,546,145	381,575
Compressed and liquefied gases	6	30	29	270	387	64,661	45,085	139,077	40,703	585,146	405,366
Concrete products	33	46	223	34	393	102,680	242,711	387,732	13,506	1,136,793	735,555
Condensed and evaporated milk	9	27	110	1,197	630	46,236	140,851	2,427,846	73,152	3,522,108	1,021,110
Confectionery	10	19	164	100	225	57,688	130,014	501,927	45,829	1,066,535	518,779
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	15	46	133		406	121,730	233,658	768,169	8,198	1,637,631	861,264
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	4	4	18		62	9,500	17,244	48,736	570	106,916	57,611
Druggists' preparations	14	41	110	10	202	127,270	145,300	667,369	11,025	1,401,373	722,979
Electrical machinery, apparatus, and supplies	5	21	64		152	33,992	95,365	263,298	8,985	436,485	164,202
Feeds, prepared, for animals and fowls	23	87	179	287	2,974	172,571	208,872	4,957,361	51,783	6,399,594	1,390,450
Flour and other grain-mill products	140	818	2,401	21,701	26,964	2,105,618	3,257,559	95,772,051	1,173,244	121,365,753	24,420,458
Food preparations, not elsewhere classified	6	6	24		34	8,100	25,411	121,523	1,846	194,140	70,771
Foundry and machine-shop products, not elsewhere classified	75	371	2,523	756	9,119	856,026	3,385,449	6,585,376	367,339	15,206,477	9,253,762
Furniture, including store and office fixtures	15	51	521	990	876	100,691	517,476	787,113	28,348	1,724,714	909,253
Grease and tallow, not including lubricating greases	3	17	86	150	697	42,362	126,676	322,692	27,883	723,719	373,144

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
Ice cream	65	112	281	615	2,351	$226,697	$360,663	$1,640,941	$102,968	$3,613,604	$1,>69 605
Ice, manufactured	118	184	824	15,175	7,823	350,172	1,042,186	257,464	581,790	3,838,107	2,998,853
Lubricating oils and greases, not made in petroleum refineries	6	33	35	80	94	114,269	47,590	600,875	9,384	1,132,182	521,923
Lumber and timber products, not elsewhere classified	4	23	122	297	448	67,507	156,633	826,224	2,508	1,368,603	539,871
Marble, granite, slate, and other stone products	13	32	108	-------	775	86,079	196,137	302,074	17,622	766,965	447,269
Mattresses and bed springs, not elsewhere classified	12	20	108	-------	339	42,704	131,436	378,498	7,883	683,022	296,641
Meat packing, wholesale	28	1,933	9,068	18,633	20,243	3,916,735	11,822,936	239,003,342	1,483,639	273,586,689	33,099,708
Motor vehicles, not including motorcycles	3	9	29	-------	120	16,300	39,588	138,806	3,347	281,057	138,904
Patent or proprietary medicines and compounds	13	16	54	-------	50	39,954	56,826	105,015	2,459	291,571	184,097
Petroleum refining	15	484	3,113	14,325	12,084	1,282,572	4,818,074	64,985,360	1,058,635	98,329,442	32,285,447
Photo-engraving, not done in printing establishments	4	17	44	-------	23	53,873	87,747	23,171	1,814	239,315	214,330
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	39	106	565	482	2,688	250,150	698,267	1,085,055	43,137	2,826,899	1,698,707
Poultry killing, dressing, and packing, wholesale	34	133	789	312	1,141	253,021	742,701	9,760,565	92,516	11,832,336	1,979,255
Printing and publishing, book and job	114	179	606	7	907	359,569	862,517	984,429	39,689	3,432,363	2,408,245
Printing and publishing, newspaper and periodical	307	1,744	2,068	188	3,673	3,015,206	3,053,468	3,150,786	169,518	16,829,411	13,509,107
Pumps (hand and power) and pumping equipment	4	24	72	-------	190	46,120	101,057	160,920	5,397	416,102	249,785
Saddlery and harness	7	5	43	-------	62	21,520	61,507	181,058	1,272	336,972	154,642
Salt	10	125	801	6,303	4,222	249,350	885,249	1,226,179	515,141	5,201,703	3,460,383
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	4	4	63	-------	102	15,220	72,719	339,874	6,858	524,478	177,746
Shirts	3	12	55	-------	9	32,192	46,268	72,140	1,200	236,236	162,896
Signs and advertising novelties	8	22	79	50	30	69,839	121,932	102,481	19,048	610,105	488,576
Smelting and refining, zinc	3	67	544	1,310	2,885	167,135	771,442	3,914,387	828,810	6,940,850	2,197,653
Stoves and ranges (other than electric and warm-air furnaces	4	111	505	40	527	318,968	633,255	784,728	41,126	1,884,254	1,058,400
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	10	181	774	375	3,338	525,244	1,118,352	3,974,909	79,001	6,487,787	2,433,877
Surgical and orthopedic appliances, including artificial limbs	3	11	16	4	31	18,419	17,222	14,553	1,103	83,079	67,423
Toys (not including children's wheel goods or sleds) games, and playground equipment	4	8	87	-------	81	12,160	71,288	123,767	5,932	279,581	149,882
Wirework, not elsewhere classified	5	6	34	-------	65	8,555	43,960	69,106	3,771	222,130	149,253
Other industries	109	796	3,539	12,101	7,919	1,642,241	4,228,785	35,344,789	915,718	53,614,724	17,354,217

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 263 employees of central administrative offices, with salaries aggregating $768,847. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR THE KANSAS CITY (MISSOURI AND KANSAS) INDUSTRIAL AREA AND FOR WYANDOTTE COUNTY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR SEDGWICK COUNTY: 1929

[This table presents, for the Kansas City (Missouri and Kansas) industrial area and for Wyandotte County, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group "Other industries." Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the industries shown separately. Sedgwick County is also industrially important, but no statistics by industries can be given for it, for the reasons stated in the explanatory note]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY OF POWER EQUIPMENT): Prime movers	HORSEPOWER (RATED CAPACITY OF POWER EQUIPMENT): Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
KANSAS CITY (MISSOURI AND KANSAS) INDUSTRIAL AREA [This area comprises Wyandotte County, Kans., and Jackson and Clay Counties, Mo.]											
All industries, total	1,169	10,148	48,332	56,683	158,098	$24,188,952	$63,705,471	$303,267,055	$8,071,412	$741,237,997	$229,899,530
Aluminum manufactures	5	11	43	-------	154	27,568	65,292	150,991	5,617	400,796	241,188
Awnings, tents, sails, and canvas covers	8	52	163	-------	87	122,502	167,348	738,342	5,736	1,116,518	372,740
Beverages	12	29	73	-------	240	63,794	95,131	283,897	11,417	847,086	551,772
Boxes, paper, not elsewhere classified	8	76	737	750	1,064	257,991	829,433	2,802,601	24,102	4,610,801	1,784,098
Bread and other bakery products	86	203	2,438	1,571	4,072	439,434	3,016,509	8,204,812	278,382	20,838,688	12,375,494
Brooms	3	4	53	-------	23	8,038	63,953	140,996	1,412	224,466	82,058
Butter	14	111	300	373	1,356	304,856	372,876	10,620,771	72,341	12,518,421	1,825,309
Car and general construction and repairs, steam-railroad repair shops	13	309	3,983	6,680	2,895	810,233	6,388,498	4,378,864	399,412	11,977,007	7,198,731
Caskets, coffins, burial cases, and other morticians' goods	10	34	120	-------	172	107,768	141,839	702,148	7,671	1,288,217	578,398
Clay products (other than pottery) and nonclay refractories	8	55	384	787	1,100	164,641	471,658	118,847	169,528	1,130,719	842,344
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	9	39	275	-------	55	157,320	289,007	494,721	11,434	1,097,328	591,173

See footnotes at end of table, p. 192.

TABLE 13.—GENERAL STATISTICS FOR THE KANSAS CITY (MISSOURI AND KANSAS) INDUSTRIAL AREA AND FOR WYANDOTTE COUNTY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR SEDGWICK COUNTY: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY OF POWER EQUIPMENT)		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
KANSAS CITY (MISSOURI AND KANSAS) INDUSTRIAL AREA—Continued											
Clothing, women's, not elsewhere classified	27	226	2,097	-------	310	$603,190	$1,378,769	$4,487,314	$29,180	$8,044,174	$3,527,680
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	8	131	1,503	-------	528	221,594	1,316,544	3,334,623	24,168	5,528,705	2,169,914
Coffee and spice, roasting and grinding	11	81	180	-------	1,122	261,486	220,532	7,198,978	35,831	9,813,093	2,578,284
Compressed and liquefied gases	7	71	80	125	1,164	138,219	117,414	278,193	57,560	1,084,767	749,014
Concrete products	14	55	192	30	819	185,955	251,989	1,253,254	29,512	2,373,237	1,090,471
Confectionery	19	116	847	1,295	332	209,231	850,724	2,597,256	50,778	5,373,707	2,725,673
Cooperage	4	4	90	180	109	8,700	103,965	336,511	4,866	666,072	324,695
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	14	41	119	-------	302	110,246	237,545	569,758	6,340	1,151,114	575,016
Druggists' preparations	23	107	276	-------	242	320,457	315,279	1,110,640	19,677	2,686,852	1,556,535
Flavoring extracts and flavoring sirups	5	14	10	-------	45	37,188	13,189	102,151	1,131	207,087	103,805
Flour and other grain-mill products	17	359	1,096	2,125	19,171	880,510	1,545,452	50,422,435	639,793	60,655,991	9,593,763
Food preparations, not elsewhere classified	14	37	104	50	312	86,828	111,720	1,103,278	25,308	1,917,635	789,049
Foundry and machine-shop products, not elsewhere classified	71	493	1,890	16	7,080	1,244,828	2,794,673	5,864,615	233,763	13,168,704	7,070,326
Furniture, including store and office fixtures	25	95	482	100	1,123	269,527	752,116	1,263,550	29,795	2,843,919	1,550,574
Hats and caps, except felt and straw, men's	6	15	68	-------	15	25,137	89,926	216,792	1,296	455,092	237,004
House-furnishing goods, not elsewhere classified	8	32	119	-------	60	88,272	89,685	464,963	3,493	833,421	364,965
Ice cream	11	87	239	80	1,666	262,360	368,403	1,385,733	63,430	3,424,206	1,975,043
Ice, manufactured	18	104	501	2,999	10,834	214,625	744,620	89,231	365,629	2,214,010	1,759,150
Lithographing	6	35	89	-------	186	124,912	168,711	365,542	5,788	801,050	429,720
Lubricating oils and greases, not made in petroleum refineries	6	41	106	35	270	166,691	150,123	1,015,573	16,156	1,969,708	937,979
Marble, granite, slate, and other stone products	9	31	135	-------	931	85,229	217,853	300,669	19,282	756,864	436,913
Mattresses and bed springs, not elsewhere classified	9	18	116	10	383	36,423	137,400	551,897	11,260	887,367	324,210
Meat packing, wholesale	10	1,522	7,352	14,586	16,472	3,062,033	9,561,877	199,387,781	1,152,845	227,870,784	27,330,158
Nonferrous-metal alloys and products, not including aluminum products	5	20	73	-------	127	47,522	106,217	512,594	13,447	606,731	80,690
Paints and varnishes	15	294	467	70	2,578	823,644	557,680	4,416,686	53,717	8,251,552	3,781,149
Patent or proprietary medicines and compounds	35	157	128	42	302	383,938	141,464	974,992	13,729	3,459,746	2,471,025
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	23	140	478	345	2,323	340,099	706,522	1,543,557	37,132	2,919,979	1,339,290
Poultry killing, dressing, and packing, wholesale	5	8	33	10	51	10,762	40,702	839,833	3,550	960,937	117,554
Printing and publishing, book and job	134	435	1,340	30	2,153	1,125,389	2,237,420	2,738,604	96,396	9,378,129	6,553,129
Printing and publishing, newspaper and periodical	66	1,255	1,256	1,800	2,117	2,561,508	2,363,831	4,762,727	95,431	17,381,250	12,523,092
Safes and vaults	3	7	19	-------	100	6,210	21,477	27,213	1,155	64,617	36,249
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	6	19	101	-------	347	68,623	134,152	1,097,864	22,795	1,600,359	479,700
Signs and advertising novelties	15	39	118	65	24	89,550	169,904	255,409	22,952	803,746	525,385
Stereotyping and electrotyping, not done in printing establishments	3	12	48	-------	179	35,786	96,711	44,801	6,258	207,905	156,846
Tools, not including edge tools, machine tools, files, or saws	5	12	47	20	135	24,182	55,060	66,316	5,007	248,211	176,888
Wall plaster, wall board, insulating board, and floor composition	3	10	18	-------	20	23,150	39,303	36,844	1,204	134,694	96,646
Wirework, not elsewhere classified	4	7	34	-------	378	19,301	35,858	126,205	8,553	213,523	78,765
Other industries	329	3,092	17,912	22,868	72,570	7,522,502	23,529,117	173,495,683	3,873,153	284,208,712	106,839,876
SEDGWICK COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Meat packing, wholesale"—without disclosing the data reported by individual establishments, and those industries for which it would be possible to publish separate figures without disclosig data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, therefore no such statistics are included in this report]											
All industries, total	239	1,863	5,925	6,922	14,042	$4,082,252	$7,621,263	$58,553,733	$901,302	$84,969,894	$25,534,859
WYANDOTTE COUNTY											
[The differences between the figures for this county and those for Kansas City are stated in footnotes 1, 3, and 5. It is impossible to publish exact figures by industries for Kansas City without disclosing the data for certain establishments located outside the city but within the county (those covered by footnotes 1 and 3). For totals for all industries in Kansas City, see Table 2]											
All industries, total	170	2,759	14,035	24,690	50,229	$5,877,018	$19,425,660	$255,980,481	$2,703,525	$316,873,605	$58,189,599
Bread and other bakery products [1]	20	17	205	16	909	51,808	333,511	664,021	34,327	1,394,763	696,415
Concrete products [2]	4	5	53	30	108	14,606	69,863	100,542	5,573	284,834	175,719
Druggists' preparations [2]	10	31	68	-------	141	94,193	86,827	476,023	7,870	981,882	497,989
Flour and other grain-mill products [3]	7	101	321	1,225	6,170	263,017	488,749	13,208,455	187,435	16,358,587	2,962,697
Foundry and machine-shop products, not elsewhere classified [4]	11	55	386	-------	2,460	141,412	594,834	1,034,445	91,371	2,586,247	1,460,431
Ice, manufactured [1]	7	15	123	1,333	2,953	29,135	188,892	23,090	103,148	735,863	609,625
Meat packing, wholesale [1,4]	10	1,522	7,352	14,586	16,472	3,062,033	9,561,877	199,387,781	1,152,845	227,870,784	27,330,158
Printing and publishing, book and job [2]	14	5	39	5	83	6,606	74,455	63,204	3,834	238,316	171,278
Printing and publishing, newspaper and periodical [1]	7	57	70	-------	98	115,787	141,721	71,630	5,895	570,883	493,358
Other industries [5]	80	951	5,418	7,395	20,835	2,099,027	7,884,931	40,951,290	1,111,227	65,854,446	23,791,929

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] All but 1 of the establishments in this industry were located in Kansas City.

[2] All the establishments in this industry were located in Kansas City.

[3] All but 2 of the establishments in this industry were located in Kansas City.

[4] The figures for the "Meat packing, wholesale" industry include data for 1 establishment located outside the county, to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[5] Of the 80 establishments covered by the "Other industries" items, 67 were located in Kansas City.

KENTUCKY

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [4]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers [2]	Fuel and purchased energy		
1929	2,246	77,825	354,740	124,381	230,359	$88,643,659	$266,558,766	$253,433,621	$13,125,145	$502,638,722	$236,079,956
1927	1,851	74,912	318,755	144,399	174,356	83,858,607	250,632,957	238,762,287	11,870,670	447,764,961	197,132,004
1925	1,864	76,580	257,965	119,314	138,651	84,945,679	255,108,215	[3]	[3]	453,936,575	198,828,360
1923	1,975	76,724	251,554	125,561	125,993	82,647,889	242,410,082	[3]	[3]	427,093,593	184,683,511
1921	2,038	58,840	[5]	[5]	[5]	62,635,894	173,662,059	[3]	[3]	302,741,674	129,079,615
1919	3,957	69,340	246,399	189,591	56,808	67,033,546	235,715,626	224,485,689	11,229,937	395,660,417	159,944,791
1914	4,184	64,586	237,802	217,420	20,382	31,830,283	114,829,223	110,472,943	4,356,280	230,248,909	115,419,686
1909	4,776	65,400	229,921	218,607	11,314	27,887,672	111,779,317	108,189,560	3,589,757	223,754,497	111,975,180
1904	3,734	59,794	174,134	170,260	3,874	24,438,684	86,545,464	84,121,490	2,423,974	159,753,968	73,208,504
1899	3,648	51,735	143,443	141,721	1,722	18,454,252	67,406,202	[7]	[7]	126,508,660	59,102,458
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	21.3	3.9	11.3	—13.9	32.1	5.7	6.4	6.1	10.6	12.3	19.8
1925–1927	—0.7	—2.2	23.6	21.0	25.8	—1.3	—1.8			—1.4	—0.9
1923–1925	—5.6	—0.2	2.5	—5.0	10.0	2.8	5.2			6.3	7.7
1921–1923	—3.1	30.4				31.9	39.6			41.1	43.1
1919–1921	—48.5	—15.1				—6.6	—26.3			—23.5	—19.3
1919–1929	—43.2	12.2	44.0	—34.4	305.5	32.2	13.1	12.9	16.9	27.0	47.6
1909–1919	—17.1	6.0	7.2	—13.3	402.1	140.4	110.9	107.5	212.8	76.8	42.8
1899–1909	30.9	26.4	60.3	54.3	557.0	51.1	65.8			76.9	89.5

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Includes cost of foundry supplies for 1927 and earlier years but not for 1929. See GENERAL EXPLANATIONS—Comparableness With Preceding Years—Schedule Changes—Mill or Shop Supplies.
[4] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[5] Not reported separately.
[6] Not called for on schedule.
[7] No comparable data.

TABLE 2.—SUMMARY FOR THE CINCINNATI INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	2,614,589	2,246	77,825	354,740	$88,643,659	$266,558,766	$253,433,621	$13,125,145	$502,638,722	$236,079,956
Cincinnati Industrial Area,[3] total	870,366	2,373	114,068	475,196	157,583,726	494,232,726	478,214,297	16,018,429	933,290,890	439,058,164
Portion in Kentucky	166,925	188	9,054	39,048	13,159,817	31,566,868	29,919,090	1,647,778	58,553,489	26,986,621
Portion in Ohio	703,440	2,185	105,014	436,148	144,423,909	462,665,858	448,295,207	14,370,651	874,737,401	412,071,543
Counties in Kentucky [4]										
Adair	16,401	12	68	560	43,010	127,429	125,449	1,980	255,753	128,324
Allen	15,180	13	225	559	160,418	67,748	65,769	1,979	290,126	222,378
Anderson	8,494	7	106	337	68,930	601,207	583,418	17,789	809,799	208,592
Ballard	9,910	9	56	290	23,201	60,256	69,485	771	130,344	70,088
Barren	25,844	19	168	914	116,913	357,197	347,663	9,534	770,954	413,757
Bell	38,747	24	796	1,554	482,365	2,886,499	2,839,085	47,414	3,941,658	1,055,159
Bourbon	18,060	9	41	358	36,234	164,371	161,410	2,961	277,855	113,484
Boyd	43,849	43	4,383	83,032	7,135,610	21,826,333	16,514,447	5,311,886	40,661,730	18,835,397
Boyle	16,282	15	262	682	389,270	332,703	294,808	37,835	922,224	589,521
Bracken	9,616	10	120	363	92,365	233,356	225,626	7,730	490,739	257,383
Breathitt	21,143	4	31	95	50,069	42,966	28,318	14,648	146,387	103,421
Breckinridge	17,368	16	250	1,089	233,780	411,559	396,398	15,161	1,200,154	788,595
Bullitt	8,568	5	16	230	11,804	41,648	38,484	3,164	69,945	28,297
Butler	12,620	3	25	91	9,900	4,675	4,675		45,440	40,765
Caldwell	13,781	9	494	777	361,037	567,110	546,418	20,692	1,161,298	594,188
Calloway	17,662	14	156	1,192	74,971	354,737	346,231	8,506	583,945	229,208
Campbell [3]	73,391	64	4,506	29,285	6,757,926	19,603,618	18,357,049	1,246,569	33,060,834	13,457,216
Carlisle	7,363	9	86	262	25,275	102,952	100,434	2,518	180,069	77,117
Carroll	8,155	6	174	577	145,702	222,889	210,537	12,352	594,070	371,181
Carter	23,839	10	998	3,442	1,030,947	844,952	494,309	350,643	2,926,712	2,081,760
Casey	16,747	8	27	252	24,040	45,100	44,900	200	158,600	113,500
Christian	34,283	27	559	2,903	386,407	2,838,833	2,781,796	57,037	3,986,181	1,147,348
Clark	17,640	10	147	1,148	112,635	611,733	594,648	17,085	942,322	330,589
Clay	18,626	12	72	458	55,691	57,230	56,930	300	187,945	130,715
Clinton	9,004	4	45	120	26,326	28,000	28,000		70,412	42,412
Crittenden	11,931	9	28	273	23,660	262,671	257,194	5,477	349,492	86,821
Daviess	43,779	60	1,893	8,107	1,547,378	6,821,066	6,640,266	180,800	12,295,139	5,474,073
Edmonson	11,475	7	11	127	3,616	32,482	32,090	392	62,305	29,827
Estill	17,079	7	839	925	1,243,519	1,972,233	1,950,141	22,092	3,795,210	1,822,971
Fayette	68,543	67	869	3,430	1,157,650	4,536,936	4,427,713	109,223	8,114,857	3,577,923
Fleming	12,931	10	26	281	20,667	33,117	29,316	3,801	90,044	56,927
Floyd	41,942	6	52	210	47,434	35,129	34,682	447	140,443	105,314
Franklin	21,064	27	1,509	2,066	883,930	2,649,594	2,594,452	55,142	4,649,707	2,000,113
Fulton	14,927	17	804	2,563	609,305	1,055,781	1,014,070	41,711	2,202,078	1,146,297
Garrard	11,562	5	23	217	15,076	164,487	158,217	6,270	228,107	63,620
Graves	30,778	28	1,386	2,413	1,044,666	3,211,546	3,171,002	40,544	5,903,007	2,691,461
Grayson	17,055	10	96	302	51,070	243,687	241,743	1,944	422,809	179,122
Green	11,401	20	21	262	14,820	77,720	75,900	1,820	133,750	56,030
Greenup	24,554	10	1,164	3,413	1,813,676	2,869,522	2,756,613	112,909	5,347,075	2,477,553
Hardin	20,913	15	116	635	87,413	419,299	394,628	24,671	739,734	320,435
Harlan	64,557	15	326	685	310,193	233,526	216,467	17,059	1,193,894	960,368
Harrison	14,859	8	27	241	34,606	59,628	55,779	3,849	148,803	89,175
Hart	16,169	12	14	231	12,700	167,727	164,497	3,230	232,620	64,893
Henderson	26,295	22	1,028	5,791	816,443	3,342,122	3,250,472	91,650	5,326,850	1,984,728
Hickman	8,725	5	31	208	33,226	67,145	65,796	1,349	143,033	75,888
Hopkins	37,449	25	381	1,398	232,510	595,808	572,953	22,855	1,159,270	563,462
Jackson	10,467	4	236	623	178,404	85,244	56,874	28,370	411,301	326,057
Jefferson	355,350	715	36,860	137,631	42,471,467	150,066,675	146,259,965	3,806,710	283,468,610	133,401,936
Jessamine	12,431	5	35	393	20,948	109,054	102,695	6,359	208,447	99,393
Johnson	22,968	7	39	185	20,008	22,698	21,104	1,594	75,626	52,928
Kenton [3, 5]	93,534	124	4,548	9,763	6,401,891	11,963,250	11,662,041	401,209	25,492,655	13,629,405
Knott	15,230	8	42	243	32,323	35,268	34,852	416	112,944	77,676
Knox	26,266	12	230	814	182,551	228,823	217,857	10,966	677,677	448,854
Larue	9,093	6	14	150	11,383	137,712	133,653	4,059	181,841	44,129
Laurel	21,109	12	23	314	21,666	76,822	72,957	3,866	159,492	82,670
Lawrence	16,713	4	10	139	11,478	20,579	20,604	76	42,695	22,116
Lee	9,729	4	61	331	32,746	50,960	49,836	1,126	109,214	58,254
Leslie	10,765	4	21	117	13,852	7,523	7,523		32,277	24,754
Letcher	35,702	14	89	495	69,994	112,909	109,579	3,330	308,019	195,110
Lewis	14,315	12	141	581	109,336	186,604	169,410	17,194	383,667	197,063
Lincoln	17,687	8	25	304	24,330	103,975	99,050	4,926	174,410	70,435
Logan	21,875	18	144	791	156,354	287,823	271,863	16,960	641,764	353,941
Lyon	8,530	9	163	228	95,461	1,223,631	1,211,673	11,958	1,851,674	628,043
McCracken	46,271	66	3,929	8,366	3,890,938	8,168,496	7,888,147	280,349	16,125,180	7,956,684
McLean	11,072	11	205	677	175,908	219,929	218,062	1,867	619,204	399,276
Madison	27,621	14	137	596	79,192	264,597	248,833	16,764	554,614	290,017
Marion	15,499	13	69	879	55,411	315,893	309,302	6,591	474,760	158,867
Marshall	12,889	8	158	2,224	71,088	203,821	47,650	3,271	161,759	157,938
Mason	18,862	15	496	2,144	451,141	2,258,757	2,202,581	65,176	3,419,882	1,161,125
Meade	8,042	4	64	332	37,548	180,700	178,336	2,364	262,927	82,227
Mercer	14,471	9	72	354	46,461	364,429	365,075	9,354	501,779	137,350
Metcalfe	9,373	8	18	262	12,175	51,559	61,559		85,318	33,759
Monroe	13,077	17	68	488	37,364	138,479	138,314	165	235,712	97,233
Montgomery	11,660	9	62	189	46,456	109,453	101,599	7,854	237,407	127,954
Morgan	15,130	6	16	90	11,732	9,878	8,876	1,002	33,139	23,261

See footnotes at end of table.

TABLE 2.—SUMMARY FOR THE CINCINNATI INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929—Con.

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties in Kentucky [4]—Continued										
Muhlenberg	37,784	14	194	1,004	$225,673	$329,961	$312,612	$17,349	$844,763	$514,802
Nelson	16,551	10	31	370	26,977	60,071	58,241	1,830	120,957	60,886
Nicholas	8,571	6	15	180	12,278	28,811	26,207	2,604	59,069	30,258
Ohio	24,469	8	21	419	18,256	87,087	84,188	2,899	164,928	77,841
Owsley	7,223	4	17	90	9,200	12,900	12,900		31,200	18,300
Pendleton	10,876	4	49	200	24,537	86,892	85,454	1,438	201,859	114,967
Perry	42,186	18	274	657	210,280	160,850	147,060	13,790	689,027	528,177
Pike	65,267	38	277	1,479	239,878	451,060	433,455	17,605	1,046,775	595,715
Pulaski	35,640	40	769	3,307	924,735	1,061,592	977,503	84,089	2,444,654	1,383,062
Rockcastle	15,149	5	41	187	22,079	77,701	70,459	7,242	126,438	48,737
Rowan	10,893	9	408	1,779	505,387	328,861	179,100	149,761	1,091,310	762,449
Russell	11,930	3	5	81	2,500	14,500	14,500		23,000	8,500
Scott	14,400	6	25	179	27,445	163,397	161,299	2,098	242,105	78,708
Shelby	17,679	8	33	360	33,638	158,815	145,259	13,556	312,147	153,332
Simpson	11,336	10	165	348	71,176	154,515	146,901	7,614	344,536	190,021
Taylor	12,047	11	56	628	50,960	248,089	242,214	5,875	425,884	177,795
Trigg	12,531	19	124	878	92,199	181,096	179,637	1,459	373,380	192,284
Union	17,053	9	44	481	28,278	148,636	143,344	5,292	285,158	136,522
Warren	33,676	25	441	2,818	439,623	1,255,154	1,188,881	66,573	2,515,785	1,260,631
Washington	12,623	6	16	334	15,851	268,714	263,827	4,887	343,556	74,842
Wayne	15,848	12	103	593	77,093	152,683	152,033	650	349,818	197,135
Webster	20,534	6	19	300	14,105	46,883	45,911	972	98,451	51,568
Whitley	29,730	12	1,391	1,318	2,028,269	763,623	710,162	53,461	3,012,754	2,249,131
Woodford	10,981	5	18	161	21,484	79,228	75,892	3,336	145,873	66,645
All other counties [6]	185,120	66	860	4,539	853,747	2,098,779	2,075,875	22,904	3,757,588	1,658,809
Cities having 10,000 inhabitants or more [7]										
Bowling Green	12,348	18	389	2,288	394,093	733,975	674,285	59,690	1,733,305	999,330
Covington	65,252	111	3,451	7,836	4,738,141	7,926,747	7,610,966	315,781	19,393,007	11,466,260
Frankfort	11,626	24	1,397	1,539	811,781	2,415,033	2,363,753	51,280	4,228,574	1,813,541
Henderson	11,668	18	956	4,978	736,479	2,360,247	2,278,522	81,725	4,118,916	1,758,669
Hopkinsville	10,746	22	489	2,319	322,890	2,630,644	2,576,093	54,551	3,657,166	1,026,522
Louisville [8]	307,745	693	35,835	119,935	41,072,459	140,534,238	137,285,686	3,248,552	270,925,614	130,391,376
Middlesborough	10,350	15	760	1,195	450,464	2,802,443	2,757,864	44,579	3,767,102	964,659
Newport	29,744	46	2,402	11,088	3,489,221	11,750,985	11,254,149	496,836	19,895,958	8,144,973
Owensboro	22,765	51	1,771	6,706	1,449,094	5,870,457	5,712,791	157,666	10,899,976	5,029,519
Paducah	33,541	63	3,923	8,288	3,887,438	8,136,986	7,856,787	280,199	16,071,760	7,934,774

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Cincinnati Industrial Area comprises Campbell and Kenton Counties, Kentucky, and Butler and Hamilton Counties, Ohio.
[4] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. In the case of Russell County, in which fewer than 10 wage earners were employed, statistics are here presented in order that comparison may be made with the corresponding figures for 1927 (published in mimeographed form).
[5] For statistics by industries for this county, see Table 13.
[6] Bath, Boone, Cumberland Gallatin, Grant, Hancock, Henry, Livingston, McCreary, Magoffin, Martin, Menifee, Oldham, Owen, Powell, Robertson, Spencer, Todd, Trimble, and Wolfe Counties. (See footnote 4.) No manufacturing reported from Elliott County.
[7] Not including Ashland, Fort Thomas, and Lexington, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments located either in the cities or outside the cities but within the counties in which the cities are situated.
[8] Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Plumbers' supplies, not including pipe or vitreous-china sanitary ware," as measured by number of wage earners, and "Motor vehicles, not including motorcycles," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	89,958	74,338	15,620	1,375	1,341	34	[2] 1,538	[2] 1,429	[2] 109	[2] 9,220	[2] 6,805	[2] 2,415	77,825	[3] 64,763	[3] 13,062
1919 [1], [4]	83,954	70,676	13,278	4,003	3,850	153	1,486	1,426	60	9,125	6,816	2,309	69,340	58,584	10,756
1914 [4]	77,865	67,521	10,344	4,148	4,002	146	1,272	1,235	37	7,859	6,503	1,356	64,586	55,781	8,805
1909	79,090	67,840	11,200	5,050	4,893	157	1,304	1,274	30	7,306	6,057	1,249	65,400	55,636	9,764

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 105; male, 99; female, 6. Other salaried officers and employees—total, 380; male, 216; female, 164. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	77,825	75,414	77,444	78,475	78,059	78,513	78,980	79,324	80,837	81,732	78,728	74,571	*71,825*	87.9
1919 [1]	69,340	66,495	66,213	66,869	66,756	66,268	*65,941*	67,882	69,414	72,032	74,002	74,520	75,688	87.1
1914 [1]	64,586	63,088	63,832	65,834	66,072	65,995	65,633	65,207	**66,145**	66,067	64,742	61,931	*60,486*	91.4
1909 [1]	65,400	*61,119*	62,345	63,728	64,826	64,754	63,767	63,144	65,853	68,637	**69,476**	68,639	68,510	88.0

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	2,246	77,825	45 and over but under 48	63	2,007
			48	291	18,677
Not reported	593	1,779	Over 48 but under 54	322	20,162
Under 40	52	378	54	130	4,139
40	35	1,954	Over 54 but under 60	236	19,814
Over 40 but under 44	7	7	60 and over	351	6,411
44 and over but under 45	166	2,497			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	2,246	3,957	4,776	77,825	69,340	65,400	51 to 100	120	128	153	8,179	9,120	11,080
							101 to 250	98	106	77	15,102	16,267	11,851
No wage earners	44	498	403				251 to 500	26	19	25	9,225	6,377	7,979
1 to 5	1,221	2,353	2,860	3,568	5,270	6,575	501 to 1,000	18	12	5	12,534	7,362	3,152
6 to 20	489	600	941	5,433	6,682	9,849	1,001 to 2,500	5	6	3	6,369	10,614	4,914
21 to 50	222	235	309	7,374	7,668	9,700	2,501 and over	3			10,041		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	2,246	3,957	4,776	77,825	69,340	65,400	$502,638,722	$395,660,417	$223,754,497	$236,079,956	$159,944,791	$111,975,180
Less than $5,000	(2)	1,196	2,200	(2)	1,149	4,857	(2)	3,070,563	5,170,841	(2)	1,831,236	3,387,013
$5,000 to $19,999	980	1,323	1,290	2,900	3,938	7,253	10,146,397	13,986,516	12,796,373	6,126,633	7,211,551	7,165,457
$20,000 to $99,999	720	912	781	7,367	9,077	13,810	34,120,513	41,839,465	35,218,448	19,010,570	18,247,170	15,769,584
$20,000 to $49,999	430	(3)	(3)	2,981	(3)	(3)	13,770,827	(3)	(3)	7,944,047	(3)	(3)
$50,000 to $99,999	290	(3)	(3)	4,386	(3)	(3)	20,349,686	(3)	(3)	11,066,523	(3)	(3)
$100,000 to $499,999	372	369	386	17,187	17,507	29,105	87,666,644	82,666,128	108,403,915	45,229,768	37,695,119	56,024,930
$100,000 to $249,999	228	(3)		7,150	(3)		36,957,808	(3)		19,482,535	(3)	
$250,000 to $499,999	144	(3)		10,037	(3)		50,708,836	(3)		25,747,133	(3)	
$500,000 to $999,999	79	85		9,269	9,356		55,274,926	59,419,009		26,384,746	24,800,347	
$1,000,000 and over	95	72	29	41,102	28,313	10,375	315,430,242	194,678,736	62,164,920	139,328,239	70,159,368	29,628,196
$1,000,000 to $2,499,999	59	(3)	(3)	14,110	(3)	(3)	86,841,035	(3)	(3)	35,146,646	(3)	(3)
$2,500,000 to $4,999,999	23	(3)	(3)	9,148	(3)	(3)	80,735,524	(3)	(3)	28,254,604	(3)	(3)
$5,000,000 and over	13	(3)	(3)	17,844	(3)	(3)	147,853,683	(3)	(3)	75,926,989	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	2,246	3,957	77,825	69,340	$502,638,722	$395,660,417	$236,079,956	$159,944,791
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,054	1,150	71,433	58,897	469,693,405	338,646,978	219,968,008	138,048,865
Other forms of ownership or control (individual, partnership, etc.)	1,192	2,807	6,392	10,443	32,945,317	57,013,439	16,111,948	21,906,926
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	274	(1)	39,108	(1)	246,041,710	(1)	118,645,985	(1)
Independent (single-unit)	1,972	(1)	38,717	(1)	256,597,012	(1)	117,433,971	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	354,740	124,381	1,166	88,911	63	29,415	134	4,852	24	1,203	21,251	230,359	3,905	44,197
1927	318,755	144,399	832	83,796	46	52,261	237	6,820	31	1,522	15,796	174,356	3,836	45,410
1925	257,965	119,314	873	91,957	35	18,941	226	6,564	34	1,852	11,969	138,651	4,437	43,913
1919 [1]	246,399	189,591	2,061	159,547	58	15,663	733	10,623	123	3,758	6,187	56,868	2,429	37,572
1914 [1]	237,802	217,420	[2] 3,155	[2] 206,871	(3)	(3)	531	6,581	129	3,968	3,097	20,382	2,004	28,786
Cincinnati Industrial Area, total	475,196	190,704	484	115,165	85	67,961	88	4,295	7	3,283	33,327	284,492	12,275	140,886
Portion in Kentucky	39,048	17,789	33	9,455	6	7,760	11	574			2,274	21,259	626	7,571
Portion in Ohio	436,148	172,915	451	105,710	79	60,201	77	3,721	7	3,283	31,053	263,233	11,649	133,315
Counties in which aggregate horsepower exceeded 25,000, 1929														
Boyd	83,032	8,524	49	7,874	6	399	8	251			1,202	74,508	95	1,327
Campbell	26,285	16,240	7	8,370	3	7,510	3	360			1,141	13,045	572	7,022
Jefferson	137,631	42,406	263	[4] 26,646	39	15,667	7	93	1	(4)	12,462	95,225	2,386	27,861

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 4 and 6 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	354,740	124,381	230,359	44,197
Adair	560	560		(2)
Allen	559	551	8	
Anderson	337	55	282	
Ballard	290	265	25	
Barren	914	618	296	
Bell	1,554	717	837	
Bourbon	358	165	193	
Boyd	83,032	8,524	74,508	1,327
Boyle	682	332	350	
Bracken	363	117	246	
Breatbitt	95	85	10	
Breckinridge	1,089	921	168	683
Bullitt	230	165	65	150
Butler	91	91		
Caldwell	777	342	435	
Calloway	1,192	766	426	
Campbell	29,285	16,240	13,045	7,022
Carlisle	262	[2] 262	([3])	
Carroll	577	320	257	320
Carter	3,442	616	2,826	(2)
Casey	252	245	7	
Christian	2,903	2,259	644	421
Clark	1,148	465	683	
Clay	458	458		
Clinton	120	120		
Crittenden	273	258	15	
Daviess	8,107	3,171	4,936	1,064
Edmonson	127	125	2	
Estill	925	755	170	575
Fayette	3,430	234	3,196	
Fleming	281	226	55	
Floyd	210	171	39	
Franklin	2,066	865	1,201	
Fulton	2,563	2,051	512	560
Garrard	217	92	125	
Graves	2,413	1,794	619	698
Grayson	302	260	42	
Green	262	186	76	
Greenup	3,413	845	2,568	70
Hardin	635	405	230	(2)
Harlan	685	475	210	
Harrison	241	75	166	
Hart	231	158	73	
Henderson	5,791	4,325	1,466	1,100
Hickman	208	160	48	
Hopkins	1,398	872	526	
Jackson	623	623		(2)
Jefferson	137,631	42,406	95,225	27,861
Jessamine	393	75	318	
Johnson	185	172	13	(2)
Kenton	9,763	1,549	8,214	549
Knott	243	236	7	
Knox	814	735	79	
Larue	150	144	6	
Laurel	314	226	88	
Lawrence	139	75	64	
Lee	331	300	31	
Leslie	117	117		
Letcher	495	264	231	
Lewis	581	459	122	(2)
Lincoln	304	160	144	
Logan	791	736	55	
Lyon	228	100	128	
McCracken	8,365	3,940	4,425	35
McLean	677	672	5	
Madison	596	349	247	
Marion	879	460	419	250
Marshall	224	164	60	
Mason	2,144	805	1,339	208
Meade	332	332		
Mercer	354	88	266	
Metcalfe	262	262		
Monroe	488	488		
Montgomery	189	75	114	
Morgan	90	87	3	
Muhlenberg	1,004	384	620	
Nelson	370	310	60	
Nicholas	180	50	130	
Ohio	419	395	24	48
Owsley	90	90		
Pendleton	200	190	10	
Perry	657	262	395	
Pike	1,479	1,323	156	
Pulaski	3,307	1,824	1,483	415
Rockcastle	187	146	41	
Rowan	1,779	886	893	46
Russell	81	81		22
Scott	179	165	14	
Shelby	360	265	95	
Simpson	348	137	211	(2)
Taylor	628	312	316	
Trigg	878	731	147	
Union	481	301	180	
Warren	2,818	1,720	1,098	145
Washington	334	230	104	
Wayne	593	[3] 593	([3])	
Webster	300	288	12	
Whitley	1,318	452	866	
Woodford	161	145	16	
All other counties	4,539	4,240	299	510

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately to avoid disclosing data for a single establishment.
[3] Item for electric motors included with that for prime movers to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	2,019,263	$5,665,104	2,227,436	2,268,129	2,202,449	2,076,405	1,467,203
Anthracite (tons, 2,240 pounds)	9,484	40,572	[3]	17,212	1,696	2,670	2,207
Bituminous (tons, 2,000 pounds)	2,008,641	5,624,532	[3]	2,248,852	2,200,661	2,073,415	1,464,731
Coke (tons, 2,000 pounds)	259,477	1,134,811	[4]	[4]	252,519	190,235	193,238
Fuel oils, including crude oils and gas oils (gallons) [5]	27,655,917	842,834	[4]	[4]	3,455,928	2,539,110	6,570,816
Gasoline and kerosene (gallons) [5]	190,855	31,028	[4]	[4]	542,472		
Gas, natural (M cubic feet)	5,142,483	1,324,640	[4]	[4]	3,602,772	2,608,215	2,203,914
Gas, manufactured (M cubic feet)	5,569,198	622,382	[4]	[4]			
Other fuels		122,822	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	271,700,501	3,899,653	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 13,643,274	*Cost* $11,870,670	*Cost* [8]	*Cost* $11,229,937	*Cost* $4,356,280	*Cost* $3,589,757

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	2,246	[3] 10,758	77,825	124,381	230,359	[3] $24,979,014	$88,643,659	$253,433,621	$13,125,145	$502,638,722	$236,079,956
Awnings, tents, sails, and canvas covers	9	17	58	----	45	28,784	55,460	137,786	2,597	319,692	179,309
Beverages	80	149	535	889	894	325,885	693,334	1,577,542	57,957	4,622,443	2,986,944
Bookbinding and blank-book making	5	11	39	----	32	22,151	32,421	19,835	1,992	113,602	91,775
Boots and shoes, other than rubber	6	135	2,438	----	1,022	229,157	1,780,856	4,441,941	46,195	7,956,878	3,468,742
Boxes, wooden, except cigar boxes	7	52	614	478	1,982	111,412	503,336	1,321,231	31,300	2,471,759	1,119,228
Bread and other bakery products	171	188	1,620	69	3,298	312,314	1,965,580	6,258,740	196,752	10,205,588	4,750,096
Brooms	13	32	294	----	171	58,540	170,073	618,507	9,194	1,061,362	433,661
Butter	21	138	283	1,005	2,734	277,188	333,987	8,119,604	77,685	10,203,676	2,006,387
Canning and preserving: Fruits and vegetables, pickles, jellies, preserves, and sauces	35	143	893	1,201	639	269,063	519,831	3,524,758	45,646	5,320,804	1,750,600
Car and general construction and repairs, steam-railroad repair shops	27	731	12,723	7,790	11,029	1,764,726	19,327,420	11,192,463	650,286	33,054,363	21,211,614
Carriage, wagon, sleigh, and sled materials	4	4	54	495	6	8,100	30,468	63,835	1,288	139,746	74,623
Carriages, wagons, sleighs, and sleds	4	21	131	800	66	39,854	127,808	255,291	19,074	566,719	292,354
Caskets, coffins, burial cases, and other morticians' goods	7	38	172	77	602	98,309	198,176	319,941	12,062	918,334	686,331
Cigars and cigarettes	18	117	2,284	150	1,601	288,012	1,353,517	8,064,417	44,350	25,917,627	17,808,860
Clay products (other than pottery) and nonclay refractories	39	194	2,481	4,704	6,576	470,204	2,593,852	1,195,561	919,767	7,407,314	5,291,986
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	24	135	2,186	575	366	322,235	1,693,550	3,731,734	38,061	7,446,696	3,676,901
Clothing, work (including sheep-lined and hanket-lined work coats but not including shirts), men's	6	43	914	----	171	76,046	440,368	1,421,181	11,540	2,160,474	727,753
Coffee and spice, roasting and grinding	18	61	104	16	460	104,456	105,888	2,267,023	11,529	2,884,292	605,740
Concrete products	30	37	127	74	654	80,221	145,912	246,743	10,968	751,640	493,929
Confectionery	19	57	371	250	441	83,436	295,416	853,952	21,116	1,672,233	797,165
Cooperage	8	25	408	650	476	69,666	327,732	1,392,526	9,273	2,089,035	687,236
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	22	113	278	----	1,528	248,592	422,901	3,588,198	26,292	4,997,315	1,382,825
Cordage and twine	6	32	652	826	1,805	91,921	438,650	1,276,699	51,187	2,426,812	1,098,926
Cotton goods	6	38	1,214	3,589	2,453	131,681	780,542	2,764,347	96,190	4,082,728	1,232,191
Electrical machinery, apparatus, and supplies	16	173	1,031	50	1,691	347,556	865,095	2,178,321	68,695	6,471,539	4,234,623
Electroplating	5	4	41	25	161	5,054	62,437	18,639	5,515	121,767	97,613
Engraving, steel and copperplate, and plate printing	9	62	181	----	86	107,860	169,853	302,828	3,404	801,684	495,452
Fancy and miscellaneous articles, not elsewhere classified	6	22	162	12	72	56,561	118,670	259,135	4,280	526,495	263,080
Feeds, prepared, for animals and fowls	9	49	133	75	2,730	121,853	148,726	3,960,079	39,096	4,665,480	666,305
Flour and other grain-mill products	205	281	856	9,198	9,123	626,241	899,611	17,530,761	260,209	22,617,163	4,826,183
Food preparations, not elsewhere classified	7	14	100	----	168	48,665	80,054	346,054	7,166	560,615	207,396
Foundry and machine-shop products, not elsewhere classified	61	581	2,776	4,676	9,065	1,604,202	3,635,590	6,209,398	291,020	16,028,316	9,627,898

See footnotes at end of table.

LIBRARY OF THE UNIVERSITY OF MARYLAND

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
Furniture, including store and office fixtures	39	330	2,890	2,666	4,738	$796,523	$2,934,773	$5,151,958	$137,183	$11,524,491	$6,235,350
Gas and electric fixtures; lamps, lanterns, and reflectors	3	8	17	6	39	13,112	13,532	7,769	864	42,831	34,198
Gas, manufactured, illuminating and heating	8	27	94	3,981	4,108	36,274	104,004	73,349	301,297	860,443	485,797
Grease and tallow, not including lubricating greases	4	7	14	201	210	9,082	15,770	25,579	5,567	78,229	47,083
Hardware not elsewhere classified	4	38	328	75	367	120,635	284,331	520,885	19,861	1,212,295	671,549
Hats and caps, except felt and straw, men's	7	26	142	-------	28	89,039	133,884	365,048	3,169	739,440	371,223
House-furnishing goods, not elsewhere classified	4	32	146	-------	391	101,700	168,244	603,384	13,204	1,296,112	679,524
Ice cream	51	54	184	243	1,570	117,627	230,223	892,539	63,396	2,165,421	1,209,486
Ice, manufactured	97	131	591	6,534	9,523	293,910	642,312	182,103	469,716	3,267,087	2,615,268
Iron and steel: Steel works and rolling mills	4	499	5,358	[4]19,902	[4]78,106	1,120,640	8,822,487	21,929,573	3,538,011	44,890,648	19,423,064
Jewelry	7	2	23	-------	11	[3]	27,426	31,070	284	86,137	54,783
Knit goods	10	70	1,195	100	599	140,523	714,080	1,458,935	33,031	2,937,213	1,445,247
Leather: Tanned, curried, and finished	6	39	435	1,032	873	102,503	454,782	2,364,366	70,679	3,287,604	852,559
Lithographing	5	86	347	-------	426	224,305	466,527	458,534	12,502	2,840,228	2,369,192
Lumber and timber products, not elsewhere classified	341	332	4,604	16,121	3,885	890,221	3,919,139	6,509,800	123,980	15,486,006	8,852,226
Marble, granite, slate, and other stone products	22	81	329	541	2,051	214,808	453,417	335,077	40,691	1,545,959	970,191
Mattresses and bed springs, not elsewhere classified	8	23	133	4	180	46,265	109,428	394,031	7,325	709,855	308,499
Meat packing, wholesale	25	224	892	1,355	1,993	504,634	1,110,310	16,528,393	140,353	20,161,905	3,493,159
Models and patterns, not including paper patterns	3	-------	7	-------	16	----------	12,035	6,377	----------	30,780	24,403
Nonferrous-metal alloys and products, not including aluminum products	7	42	219	15	315	122,227	345,891	608,144	18,569	1,276,883	659,175
Paints and varnishes	22	279	465	285	3,148	875,804	662,860	5,890,998	78,278	10,573,502	4,604,226
Patent or proprietary medicines and compounds	15	37	56	-------	81	89,737	54,017	197,919	2,961	846,856	646,006
Petroleum refining	8	86	579	3,679	1,736	244,086	824,126	14,860,533	173,854	17,311,979	2,277,592
Photo-engraving, not done in printing establishments	6	36	116	-------	180	68,560	192,887	247,142	12,997	629,741	369,602
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	80	290	1,439	4,354	6,826	752,775	1,703,254	4,107,578	120,637	8,003,084	3,774,869
Printing and publishing, book and job	100	287	1,392	5	2,741	793,665	1,822,744	1,978,374	80,423	6,118,405	4,059,608
Printing and publishing, newspaper and periodical	167	1,540	1,364	11	2,897	2,454,175	2,238,070	2,943,694	108,244	11,958,611	8,906,673
Saddlery and harness	11	27	151	-------	217	42,380	151,231	935,205	6,083	1,401,605	460,317
Ship and boat building, steel and wooden, including repair work	3	12	110	505	80	25,720	118,550	245,935	6,375	406,159	153,849
Shirts	6	59	596	-------	100	124,960	344,757	2,208,799	15,185	3,585,477	1,361,493
Signs and advertising novelties	9	64	243	15	287	119,073	223,784	419,750	9,997	999,575	569,828
Stoves and ranges (other than electric) and warm-air furnaces	9	117	458	15	900	259,850	507,803	869,667	34,490	2,343,915	1,439,758
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	11	106	342	50	1,159	250,670	383,786	807,465	24,916	2,204,163	1,371,782
Wall plaster, wall board, insulating board, and floor composition	4	15	21	-------	184	23,886	22,327	88,832	2,466	154,072	62,774
Wood preserving	3	14	363	326	191	31,485	425,285	5,385,236	46,642	5,907,118	475,240
Wood turned and shaped and other wooden goods, not elsewhere classified	17	51	447	983	704	165,746	414,856	779,615	15,736	1,699,417	904,066
Other industries	220	2,000	15,582	23,704	37,374	5,392,469	17,373,814	58,370,895	4,324,693	123,471,260	60,775,672

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 485 employees of central administrative offices, with salaries aggregating $1,710,609. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the data reported by an individual establishment.

[5] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS COMBINED FOR ALL INDUSTRIES FOR THE CINCINNATI INDUSTRIAL AREA AND FOR CAMPBELL AND JEFFERSON COUNTIES, AND GENERAL STATISTICS BY INDUSTRIES FOR KENTON COUNTY: 1929

[This table presents, for Kenton County, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the industries shown separately. Campbell and Jefferson Counties are also industrially important, but no statistics by industries can be published for them, for the reasons given in the explanatory notes]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
CINCINNATI INDUSTRIAL AREA											
[This industrial area comprises Campbell and Kenton Counties, Ky., and Butler and Hamilton Counties, Ohio. For statistics by industries for the area as a whole, see report for Ohio]											
All industries, total	2,373	19,942	114,068	190,704	284,492	$52,165,178	$157,583,726	$478,214,297	$16,018,429	$933,290,890	$439,068,164
CAMPBELL COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	64	512	4,506	16,240	13,045	$1,288,762	$6,757,926	$18,357,049	$1,246,569	$33,060,834	$13,457,216
JEFFERSON COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industries—"Plumbers' supplies, not including pipe or vitreous-china sanitary ware," as measured by number of wage earners, and "Motor vehicles, not including motorcycles," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	715	6,235	36,860	42,406	95,225	$14,834,688	$42,471,467	$146,259,965	$3,806,710	$283,468,610	$133,401,935
KENTON COUNTY											
[Separate figures are presented for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and combined statistics are given for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]											
All industries, total	124	684	4,548	1,549	8,214	$1,745,060	$6,401,891	$11,562,041	$401,209	$25,492,655	$13,529,405
Bread and other bakery products	21	5	87	----------	150	6,828	129,508	300,222	11,004	565,785	254,559
Car and general construction and repairs, steam-railroad repair shops	4	133	1,855	50	1,907	354,965	2,947,148	1,079,677	96,509	4,478,299	3,302,113
Concrete products	6	3	21	----------	72	4,326	26,805	30,567	1,116	87,350	55,667
Meat packing, wholesale	3	11	30	----------	208	32,200	42,678	1,346,186	9,978	1,532,750	176,586
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	6	32	107	245	294	75,024	174,270	315,062	10,917	641,407	315,428
Printing and publishing, book and job	7	2	23	----------	54	(1)	31,980	36,046	1,485	110,886	73,355
Other industries	77	498	2,425	1,254	5,529	1,271,717	3,049,502	8,454,281	270,200	18,076,178	9,351,697

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

LOUISIANA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $600 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	1,989	87,345	480,404	350,165	130,239	$83,867,448	$438,540,094	$425,644,673	$12,895,521	$685,036,857	$246,496,763
1927	1,624	82,415	415,582	307,541	108,041	79,673,477	427,994,341	411,190,945	16,803,396	638,361,215	210,366,874
1925	1,742	88,058	410,298	342,222	68,076	79,762,794	465,426,439	(4)	(4)	710,050,100	244,623,661
1923	1,781	94,719	402,938	351,251	51,687	83,030,577	407,414,316	(4)	(4)	624,682,620	217,268,304
1921	1,851	85,170	(5)	(5)	(5)	76,761,093	311,589,476	(4)	(4)	479,099,889	167,510,413
1919	2,617	98,265	387,233	346,142	41,091	94,405,732	431,403,867	421,147,141	10,256,726	676,189,770	244,785,903
1914	2,211	77,665	354,765	338,185	16,580	39,544,460	157,886,027	153,300,754	4,585,273	255,312,648	97,426,621
1909	2,516	76,165	346,419	337,342	9,077	33,385,904	134,864,775	130,912,666	3,952,109	223,948,638	89,083,863
1904	2,091	55,859	251,890	249,112	2,778	25,315,750	117,035,305	113,440,487	3,594,818	186,379,592	69,344,287
1899	1,826	40,878	189,990	188,589	1,401	14,725,437	75,403,937	(6)	(6)	111,397,919	35,993,982
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	22.5	6.0	15.6	13.9	20.5	5.3	2.5	3.5	−23.3	7.3	17.2
1925–1927	−6.8	−6.4	1.3	−10.1	68.7	−0.1	−8.0			−10.1	−14.0
1923–1925	−2.2	−7.0	1.8	−2.6	31.7	−3.9	14.2			13.7	12.6
1921–1923	−3.8	11.2				8.2	30.8			30.4	29.7
1919–1921	−29.3	−13.3				−18.7	−27.8			−29.1	−31.6
919–1929	−24.0	−11.1	24.1	1.2	217.0	−11.2	1.7	1.1	25.7	1.3	0.7
909–1919	4.0	29.0	11.8	2.6	352.7	182.8	219.9	221.7	159.5	201.9	174.8
899–1909	37.8	86.3	82.3	78.9	547.9	126.7	78.9			101.0	147.6

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR PARISHES AND CITIES: 1929

PARISH OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[3]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	2,101,593	1,989	87,345	480,404	$83,867,448	$438,540,094	$425,644,573	$12,895,521	$685,036,857	$246,496,763
Parishes[3]										
Acadia	39,326	27	443	3,146	305,663	7,506,166	7,467,951	38,215	9,629,381	2,123,215
Allen	15,261	15	1,290	10,858	1,014,652	1,867,883	1,752,472	115,411	4,725,267	2,857,384
Ascension	18,438	15	582	1,787	285,530	526,576	494,084	32,492	1,177,802	651,226
Assumption	15,990	13	260	7,580	190,244	1,238,822	1,147,199	91,623	1,754,545	515,723
Avoyelles	34,926	13	91	1,390	68,704	441,250	414,655	26,595	734,278	293,028
Beauregard	14,569	16	1,147	7,580	891,115	2,434,669	2,402,090	32,579	4,529,762	2,095,093
Bienville	23,789	12	358	1,078	249,367	481,404	464,168	17,236	1,176,734	695,330
Bossier	28,388	18	1,024	6,525	1,070,669	8,666,425	8,417,709	248,716	11,385,980	2,719,555
Caddo	124,670	111	4,253	18,506	5,297,788	33,288,953	32,413,639	875,314	49,113,936	15,824,983
Calcasieu	41,963	45	1,168	6,968	1,162,701	5,122,761	4,995,820	126,941	8,839,397	3,716,636
Claiborne	32,285	17	717	1,891	667,644	495,134	484,061	11,073	1,634,278	1,139,144
Concordia	12,778	9	780	4,265	609,205	656,635	644,858	11,777	1,978,311	1,321,676
De Soto	31,016	13	295	1,372	294,517	555,927	539,515	16,412	1,589,930	1,034,003
East Baton Rouge	68,208	50	6,000	30,300	8,849,581	84,514,415	81,949,832	2,564,583	102,424,633	17,910,218
East Feliciana	17,449	6	154	310	113,020	71,512	69,914	1,598	320,557	249,045
Grant	15,709	9	1,318	5,203	1,489,395	468,694	465,533	3,161	2,994,924	2,526,230
Iberia	28,192	40	1,278	9,902	944,149	2,788,319	2,553,059	235,260	6,353,663	3,565,344
Iberville	24,638	30	1,435	11,089	935,422	2,357,483	2,266,534	90,949	4,808,084	2,450,601
Jackson	13,808	8	952	11,010	882,390	3,592,054	3,519,379	72,675	5,841,270	2,249,216
Jefferson	40,032	62	4,061	31,500	3,702,499	44,834,041	43,553,103	1,280,938	65,077,479	20,243,438
Jefferson Davis	19,765	12	178	833	144,357	1,034,710	1,027,987	6,723	1,554,430	519,720
Lafayette	38,827	30	410	8,817	427,448	1,531,387	1,454,927	76,460	2,651,906	1,120,519
Lafourche	32,419	22	626	7,231	342,898	2,120,596	1,977,215	143,381	3,279,701	1,159,105
La Salle	11,668	11	1,901	5,928	1,426,629	916,441	888,880	27,561	4,571,728	3,655,287
Lincoln	22,822	17	468	1,695	323,972	668,992	646,336	22,656	1,234,498	565,506

See footnotes at end of table.

TABLE 2.—SUMMARY FOR PARISHES AND CITIES: 1929—Continued

PARISH OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Parishes[3]—Continued										
Livingston	18,206	27	406	1,801	$298,149	$180,376	$179,599	$777	$745,235	$564,859
Madison	14,829	9	554	1,500	543,031	514,897	504,590	10,307	1,882,374	1,367,477
Morehouse	23,689	20	1,222	26,281	1,496,654	6,419,722	5,739,411	680,311	11,260,080	4,840,358
Natchitoches	38,477	22	653	2,457	630,183	655,908	632,800	23,108	1,985,510	1,329,602
Orleans[4]	458,762	786	22,592	73,050	21,120,099	82,736,172	80,495,757	2,240,415	148,388,315	65,652,143
Ouachita	54,337	65	2,925	25,379	3,366,527	9,380,336	8,752,843	627,493	19,644,572	10,264,236
Plaquemines	9,608	5	349	3,665	261,786	2,010,330	1,809,060	201,270	2,989,406	979,076
Pointe Coupee	21,007	11	565	1,844	369,436	515,808	501,380	14,428	1,334,593	818,785
Rapides	65,455	63	2,954	13,057	2,669,627	6,574,440	6,415,589	158,851	14,056,074	7,481,634
Richland	26,374	8	334	1,394	220,418	166,081	157,796	8,285	656,959	490,878
Sabine	24,110	8	1,324	5,084	939,158	531,182	528,992	2,190	3,264,193	2,733,011
St. Bernard	6,512	11	2,233	7,021	2,631,731	44,563,325	44,042,924	520,401	55,705,994	11,142,669
St. Landry	60,074	35	957	3,966	695,233	1,851,983	1,811,641	40,342	3,417,805	1,565,822
St. Martin	21,767	11	135	3,338	90,902	643,693	607,629	36,064	960,254	316,561
St. Mary	29,397	31	1,406	14,637	1,064,830	3,746,785	3,512,104	234,681	7,074,816	3,328,031
St. Tammany	20,929	24	626	2,099	374,508	1,306,388	1,164,913	141,475	2,467,410	1,161,022
Tangipahoa	46,227	33	1,556	5,357	1,347,167	1,352,754	1,299,020	53,734	4,229,107	2,876,353
Tensas	15,096	7	362	1,019	325,768	283,423	280,138	3,285	849,197	565,774
Terrebonne	29,816	23	1,378	5,546	746,858	2,178,464	2,044,218	134,246	4,247,136	2,068,672
Union	20,731	5	413	890	354,444	415,071	369,938	45,133	847,600	432,529
Vermilion	33,684	14	177	5,000	125,826	3,118,357	3,097,657	20,700	3,991,283	872,926
Vernon	20,047	18	1,886	6,033	1,483,817	1,704,122	1,674,742	29,380	5,364,770	3,660,648
Washington	29,904	25	2,932	30,422	3,524,604	7,343,507	6,759,605	583,902	17,038,795	9,695,288
Webster	29,458	20	1,075	2,493	969,112	738,435	703,425	35,010	2,234,163	1,495,728
West Baton Rouge	9,716	10	241	6,856	177,826	999,378	935,656	63,722	1,548,481	549,103
West Carroll	13,895	5	392	1,355	324,812	387,078	383,595	3,483	956,995	569,917
West Feliciana	10,924	6	121	409	106,089	83,023	78,692	4,331	325,744	242,721
Winn	14,766	9	392	897	308,780	720,865	691,921	28,944	1,234,298	513,433
All other parishes[5]	166,860	58	5,996	30,790	5,810,514	49,236,942	48,458,018	778,924	66,953,224	17,716,282
Cities having 10,000 inhabitants or more										
Alexandria	23,025	42	745	3,862	761,370	2,438,801	2,329,513	109,288	4,668,710	2,229,909
Baton Rouge	30,729	36	1,051	4,391	853,303	1,896,897	1,755,653	141,244	4,563,133	2,666,236
Bogalusa	14,029	21	2,908	30,287	3,505,419	7,318,268	6,734,366	583,902	16,967,070	9,648,802
Lafayette	14,635	23	306	1,285	359,583	633,493	599,081	34,412	1,384,729	751,236
Lake Charles	15,791	25	321	3,117	332,649	2,963,765	2,883,827	79,938	4,666,767	1,703,002
Monroe	26,028	33	1,511	5,246	1,937,131	4,070,844	3,950,512	120,332	7,787,769	3,716,925
New Orleans[6]	458,762	786	22,592	73,050	21,120,099	82,736,172	80,495,757	2,240,415	148,388,315	65,652,143
Shreveport	76,655	97	2,632	13,139	2,959,889	13,083,553	12,766,863	316,690	22,020,242	8,936,689

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each parish in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining parishes as a single group ("All other parishes"). Certain of the parishes for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
[4] For statistics by industries for this parish, see Table 13.
[5] Caldwell, Catahoula, East Carroll, Evangeline, Franklin, Red River, St. Charles, St. Helena, St. James, and St. John the Baptist Parishes. (See footnote 3.) No manufacturing was recorded from Cameron Parish.
[6] For statistics by industries for this city, which is coextensive with Orleans Parish, see Table 13.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929[1]	98,475	87,166	11,309	924	888	36	[2] 1,271	[2] 1,217	[2] 54	[2] 8,935	[2] 7,457	[2] 1,478	87,345	[3] 77,604	[3] 9,741
1919[1, 4]	112,523	100,581	11,942	2,042	1,930	112	1,480	1,434	46	10,736	8,958	1,778	98,265	88,259	10,006
1914[4]	88,014	81,473	6,541	1,850	1,735	115	966	947	19	7,533	6,866	667	77,665	71,925	5,740
1909	86,563	80,787	5,776	2,295	2,144	151	872	861	11	7,231	6,655	576	76,165	71,127	5,038

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 104; male, 103; female, 1. Other salaried officers and employees—total, 681; male, 535; female, 146. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Percent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	87,345	84,858	*84,202*	86,028	86,055	85,271	84,966	85,084	88,341	88,902	**93,300**	91,606	89,527	90.2
1919 [1]	98,265	93,443	91,919	*89,172*	89,695	91,541	89,800	95,429	97,890	98,868	106,465	**117,665**	117,293	75.8
1914 [1]	77,665	78,445	77,385	78,311	**78,905**	76,604	76,265	77,889	75,848	*75,168*	78,032	81,185	77,955	92.6
1909 [1]	76,165	71,118	*69,620*	72,237	71,911	70,050	72,066	73,270	73,576	74,272	83,413	90,630	**91,814**	75.8

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,989	87,345	45 and over but under 48	52	2,242
			48	290	15,123
Not reported	370	1,266	Over 48 but under 54	150	10,470
Under 40	44	785	54	140	4,467
40	36	1,616	Over 54 but under 60	159	10,974
Over 40 but under 44	17	1,140	60 and over	563	35,322
44 and over but under 45	168	3,940			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,989	2,617	2,516	87,345	98,265	76,165	51 to 100	139	140	109	9,952	9,806	7,964
							101 to 250	139	150	110	22,073	24,132	17,332
No wage earners	35	173	118				251 to 500	52	66	47	15,615	22,443	16,165
1 to 5	815	1,084	1,021	2,620	2,628	2,804	501 to 1,000	23	19	8	15,387	13,591	5,250
6 to 20	512	642	778	5,854	7,317	8,993	1,001 to 2,500	2	5	4	[1] 6,928	7,281	6,748
21 to 50	271	338	321	8,916	11,067	10,909	2,501 and over	1					

[1] Combined to avoid disclosing number of wage earners reported by an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,989	2,617	2,516	87,345	98,265	76,165	$685,036,857	$676,189,770	$223,948,638	$246,496,763	$244,785,903	$89,083,863
Less than $5,000	[2]	475	661	[2]	522	1,432	[2]	1,245,398	1,707,700	[2]	808,318	1,109,029
$5,000 to $19,999	667	719	814	2,161	2,651	5,703	7,232,394	7,913,113	8,633,602	4,601,673	4,430,659	5,012,465
$20,000 to $99,999	665	721	634	7,728	9,858	14,739	32,311,014	34,920,345	30,049,092	18,229,100	18,108,780	14,591,951
$20,000 to $49,999	384	[3]	[3]	3,029	[3]	[3]	12,428,772	[3]	[3]	7,239,044	[3]	[3]
$50,000 to $99,999	281	[3]	[3]	4,699	[3]	[3]	19,882,242	[3]	[3]	10,990,056	[3]	[3]
$100,000 to $499,999	417	441		23,913	27,140		97,077,523	108,104,027		49,903,036	50,435,014	
$100,000 to $249,999	260	[3]		10,592	[3]		41,543,745	[3]		22,255,308	[3]	
$250,000 to $499,999	157	[3]	384	13,321	[3]	44,649	55,533,778	[3]	108,140,739	27,647,728	[3]	49,290,737
$500,000 to $999,999	115	146		16,615	22,217		79,368,966	105,644,994		38,204,202	49,651,845	
$1,000,000 and over	125	115	23	36,928	35,877	9,642	469,046,960	418,361,893	75,417,505	135,558,752	121,351,287	19,079,681
$1,000,000 to $2,499,999	91	[3]	[3]	20,279	[3]	[3]	134,346,454	[3]	[3]	57,358,291	[3]	[3]
$2,500,000 to $4,999,999	18	[3]	[3]	4,075	[3]	[3]	66,483,108	[3]	[3]	19,562,606	[3]	[3]
$5,000,000 and over	16	[3]	[3]	12,574	[3]	[3]	268,217,398	[3]	[3]	58,637,855	[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[2] No data.

[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,989	2,617	87,345	98,265	$685,036,857	$676,189,770	$246,496,763	$244,785,903
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,111	1,118	79,351	86,357	640,727,282	609,292,719	228,640,476	220,793,463
Other forms of ownership or control (individual, partnership, etc.)	878	1,499	7,994	11,908	44,309,575	66,897,051	17,856,287	23,992,440
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	400	(1)	37,235	(1)	333,865,528	(1)	115,615,415	(1)
Independent (single-unit)	1,589	(1)	50,110	(1)	351,171,329	(1)	130,881,348	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT PARISHES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	480,404	350,165	2,068	221,521	186	107,897	294	20,617	9	130	11,617	130,239	5,577	118,118
1927	415,582	307,541	1,750	207,297	125	78,766	274	18,754	97	2,724	9,067	108,041	3,917	95,047
1925	410,298	342,222	2,178	272,735	117	50,882	283	18,480	7	125	7,138	68,076	3,463	85,776
1919 [1]	387,233	346,142	3,023	316,684	56	15,470	587	13,928	5	60	4,334	41,091	1,967	43,113
1914 [1]	354,765	338,185	[2] 3,345	[2] 328,718	(3)	(3)	406	8,020	20	1,447	1,988	16,580	1,557	33,426
Parishes in which aggregate horsepower exceeded 25,000: 1929														
East Baton Rouge	30,300	27,825	21	4,005	7	21,800	8	2,020	-------	-------	357	2,475	795	27,589
Jefferson	31,500	11,419	71	6,726	8	4,455	10	238	-------	-------	1,080	20,081	210	841
Morehouse	26,281	7,632	40	1,827	15	4,905	11	1,800	-------	-------	542	18,649	11	36
Orleans	73,050	18,288	149	12,011	10	4,220	20	1,977	7	80	6,288	54,762	619	5,353
Ouachita	25,379	23,457	105	6,645	3	15,163	57	1,649	-------	-------	233	1,922	455	13,075
Washington	30,422	29,091	24	9,591	6	19,500	-------	-------	-------	-------	203	1,331	511	17,928

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. [2] Reported as "Steam engines and turbines." [3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY PARISHES: 1929

[This table presents statistics for each parish for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

PARISHES	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	480,404	350,165	130,239	118,118
Acadia	3,146	2,793	353	22
Allen	10,858	6,700	4,158	3,035
Ascension	1,787	1,676	111	50
Assumption	7,580	7,388	192	11
Avoyelles	1,390	1,248	142	----------
Beauregard	7,580	7,367	213	3,462
Bienville	1,078	878	200	----------
Bossier	6,525	3,940	2,585	----------
Caddo	18,506	10,761	7,745	3,783
Calcasieu	6,968	5,317	1,651	1,918
Claiborne	1,891	1,718	173	----------
Concordia	4,265	4,254	11	925
De Soto	1,372	995	377	22
East Baton Rouge	30,300	27,825	2,475	27,589
East Feliciana	310	310	----------	----------
Grant	5,203	5,198	5	2,128
Iberia	9,902	8,253	1,649	2,576
Iberville	11,089	10,993	96	60
Jackson	11,010	10,710	300	5,750
Jefferson	31,500	11,419	20,081	841
Jefferson Davis	833	528	305	[2]
Lafayette	8,817	8,175	642	327
Lafourche	7,231	7,182	49	75
La Salle	5,928	5,906	22	60
Lincoln	1,695	1,584	111	60
Livingston	1,801	1,758	43	----------
Madison	1,500	1,329	171	----------
Morehouse	26,281	7,632	18,649	36
Natchitoches	2,457	2,313	144	25
Orleans	73,050	18,288	54,762	5,353
Ouachita	25,379	23,457	1,922	13,075
Plaquemines	3,665	3,665	----------	3,935
Pointe Coupee	1,844	1,831	13	[2]
Rapides	13,057	11,080	1,977	937
Richland	1,394	1,295	99	----------
Sabine	5,084	5,063	21	231
St. Bernard	7,021	4,830	2,191	7,228
St. Landry	3,966	3,516	450	221
St. Martin	3,338	3,276	62	----------
St. Mary	14,637	13,950	687	509
St. Tammany	2,099	1,823	276	892
Tangipahoa	5,357	4,125	1,232	2,084
Tensas	1,019	[3] 1,019	(3)	235
Terrebonne	5,546	5,374	172	407
Union	890	890	----------	15
Vermilion	5,000	4,947	53	48
Vernon	6,033	5,927	106	125
Washington	30,422	29,091	1,331	17,928
Webster	2,493	2,225	268	978
West Baton Rouge	6,856	6,832	24	950
West Carroll	1,355	1,285	70	255
West Feliciana	409	403	6	----------
Winn	897	615	282	----------
All other parishes	30,790	29,208	1,582	9,940

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately, to avoid disclosing data for individual establishments.
[3] Item for electric motors included in that for prime movers to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	209,424	$933,315	571,661	277,432	479,683	622,149	1,089,798
Anthracite (tons, 2,240 lbs.)	4,598	38,098	[3]	14,736	4,955	13,749	13,358
Bituminous (tons, 2,000 lbs.)	204,274	895,217	[3]	260,928	474,133	606,750	1,074,837
Coke (tons, 2,000 lbs.)	10,344	84,892	[4]	[4]	101,698	25,621	21,980
Fuel oils, including crude oils and gas oils (gallons) [5]	189,646,864	4,262,044	[4]	[4]	119,931,588	81,116,280	105,686,070
Gasoline and kerosene (gallons) [5]	536,639	72,486	[4]	[4]	2,234,568		
Gas, natural (M cu. ft.)	39,707,702	4,835,543	[4]	[4]	24,181,161	1,748,117	509,626
Gas, manufactured (M cu. ft.)	7,833,260	1,702,843	[4]	[4]			
Other fuels		1,372,677	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	252,675,049	3,400,568	[6]	[4]	[4]	[4]	[4]
		Cost	*Cost*	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 16,664,368	$16,803,396	[6]	$10,256,726	$4,585,273	$3,952,109

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	1,989	[3] 10,206	87,345	350,165	130,239	[3] $24,092,926	$83,867,448	$425,644,573	$12,895,521	$686,036,857	$246,496,763
Alcohol, ethyl, and distilled liquors	9	79	342	1,782	279	199,855	381,848	8,648,697	401,645	13,692,615	4,542,173
Awnings, tents, sails, and canvas covers	7	35	70		55	110,566	81,780	455,737	3,219	755,309	296,353
Bags, other than paper, not made in textile mills	6	114	1,195	200	776	342,953	603,559	10,105,193	30,955	12,180,439	2,044,291
Bags, paper, exclusive of those made in paper mills	6	31	590		818	61,662	428,208	2,847,904	26,719	3,952,211	1,077,688
Beverages	76	187	683	775	1,705	538,124	715,531	2,350,686	93,603	6,626,892	4,182,603
Bone black, carbon black, and lampblack	30	81	689	4,207	80	290,922	817,520	2,732,264	390,437	6,869,011	3,746,310
Bookbinding and blank-book making	9	3	43		43	4,678	49,958	19,397	1,123	129,674	109,154
Boxes, paper, not elsewhere classified	7	41	310		342	126,522	204,684	869,644	6,592	1,551,610	675,374
Boxes, wooden, except cigar boxes	12	72	1,029	3,082	736	193,073	875,999	2,446,909	16,041	4,205,377	1,742,427
Bread and other bakery products	208	206	2,418	303	3,200	537,002	2,358,284	6,513,697	286,850	13,489,311	6,688,764
Brooms	6	1	47	2	26	[4]	54,093	79,211	713	148,715	68,791
Butter	7	6	15		283	11,195	18,354	292,736	6,605	394,551	95,210
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	27	61	1,402	647	17	105,394	389,434	1,961,283	48,602	3,126,499	1,116,714
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	22	51	415	735	253	116,097	171,683	959,288	19,963	1,788,126	808,876
Car and general construction and repairs, electric-railroad repair shops	5	11	155		860	25,220	234,882	127,279	3,909	395,807	264,619
Car and general construction and repairs, steam-railroad repair shops	31	340	4,742	3,963	3,781	837,069	6,949,602	4,238,842	281,973	12,496,129	7,975,314
Cereal preparations	3	6	11		53	4,419	6,702	47,923	1,014	90,479	41,542
Cigars and cigarettes	12	64	1,287		76	130,160	915,513	1,811,253	7,970	3,768,439	1,949,216
Clay products (other than pottery) and nonclay refractories	16	31	325	1,595	248	94,720	199,465	12,792	137,449	580,013	429,772
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	17	88	1,337		201	269,997	729,143	2,045,893	22,777	3,982,649	1,913,979
Clothing, women's, not elsewhere classified	7	48	328	2	28	99,311	116,198	575,277	4,309	997,623	418,037
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	7	51	1,101		278	91,799	436,673	1,775,051	8,780	2,783,930	1,000,099
Coffee and spice, roasting and grinding	36	100	249		894	281,919	270,829	7,784,702	41,731	10,359,539	2,533,106
Concrete products	18	36	177	18	221	68,515	157,256	386,765	7,365	803,319	409,189
Confectionery	26	60	375	160	284	168,832	250,644	815,941	20,109	1,709,472	873,422
Cooperage	9	56	610	625	969	118,337	456,152	2,230,468	22,683	3,190,825	937,674
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	17	40	281	15	264	97,440	343,291	413,907	8,422	1,275,800	853,471
Engraving, steel and copperplate, and plate printing	4	4	20		23	6,400	21,487	24,920	1,010	73,516	47,586
Feeds, prepared, for animals and fowls	9	95	265	1,580	1,734	259,731	260,044	2,514,752	116,117	4,635,571	2,004,702
Fertilizers	11	137	858	275	4,109	332,533	478,493	5,613,254	89,423	8,349,043	2,646,366
Flavoring extracts and flavoring sirups	10	28	49		94	68,811	48,088	1,844,638	2,910	6,003,832	4,156,284
Flour and other grain-mill products	5	32	70	150	673	88,994	59,822	2,826,810	14,754	3,460,218	618,654
Food preparations, not elsewhere classified	14	70	228	1,050	116	178,877	186,422	3,169,879	26,520	5,380,681	2,184,282

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
Foundry and machine-shop products, not elsewhere classified	58	169	1,016	1,100	3,659	$422,476	$1,428,599	$1,817,903	$124,705	$3,330,405	$3,387,797
Furniture, including store and office fixtures	22	74	942	465	924	280,555	737,568	1,383,306	22,527	3,040,868	1,635,035
Hand stamps and stencils and brands	5	3	24	-------	10	8,160	29,500	30,036	882	97,231	66,313
House-furnishing goods, not elsewhere classified	5	15	71	-------	69	27,550	33,586	192,625	1,976	367,841	173,240
Ice cream	50	71	189	54	1,187	146,709	214,301	907,054	57,469	2,038,519	1,073,996
Ice, manufactured	128	239	1,111	15,104	12,462	473,673	1,201,445	361,015	770,604	6,890,682	4,759,063
Iron and steel: Steel works and rolling mills	3	24	282	-------	976	82,296	408,236	111,071	50,416	768,094	606,607
Jewelry	6	4	61	-------	45	11,500	71,299	34,488	975	163,171	127,708
Lumber and timber products, not elsewhere classified	274	1,880	30,116	107,930	700	4,541,173	24,496,113	23,028,813	307,880	78,752,821	55,416,128
Macaroni, spaghetti, vermicelli, and noodles	12	26	114	70	629	50,531	121,685	673,502	29,987	1,068,362	364,873
Marble, granite, slate, and other stone products	10	14	118	200	320	60,401	184,387	174,929	12,403	625,772	438,440
Mattresses and bed springs, not elsewhere classified	14	25	131	-------	504	47,923	93,399	286,044	8,224	578,286	284,018
Meat packing, wholesale	6	42	281	670	825	113,330	348,937	2,438,176	61,890	3,480,857	990,791
Motor-vehicle bodies and motor-vehicle parts	9	9	72	-------	157	14,500	81,649	101,247	4,517	246,640	140,876
Nonferrous-metal alloys and products, not including aluminum products	4	14	32	-------	114	28,877	44,966	85,603	4,086	190,087	100,398
Oil, cake, and meal, cottonseed	23	155	764	7,020	4,689	401,975	518,975	17,848,072	194,947	21,296,279	3,253,260
Paints and varnishes	10	59	116	-------	618	148,907	129,976	1,065,129	14,198	2,486,314	1,406,987
Paper	11	132	1,150	51,968	23,706	306,206	1,592,769	10,022,601	1,438,486	18,058,539	6,597,452
Pulp (wood and other fiber)	7	91	996			181,300	1,360,201	3,724,872	312,846	8,125,987	4,088,269
Patent or proprietary medicines and compounds	21	47	123	-------	34	111,720	77,320	618,900	3,606	1,587,862	1,065,356
Peanuts, walnuts, and other nuts, processed or shelled	3	9	253	8	53	17,770	90,567	255,608	3,220	418,744	159,916
Perfumes, cosmetics, and other toilet preparations	9	16	40	-------	23	25,685	21,169	99,781	673	235,615	135,261
Petrolcum refining	13	884	6,982	35,859	3,877	2,557,725	11,337,372	124,733,957	2,974,773	151,966,142	24,257,412
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	54	270	1,423	5,875	3,066	698,304	1,420,326	4,837,016	63,352	8,782,549	3,882,181
Printing and publishing, book and job	115	270	762	-------	1,061	608,713	1,122,769	1,258,942	49,315	4,204,669	2,896,412
Printing and publishing, newspaper and periodical	93	1,037	951	33	2,275	1,964,806	1,547,750	2,457,931	81,106	10,019,412	7,480,375
Rice cleaning and polishing	28	250	775	7,223	598	582,641	572,248	17,010,801	69,266	21,589,613	4,519,546
Salt	3	82	733	2,750	1,050	240,836	593,314	1,010,947	146,703	3,302,015	2,144,365
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	8	26	53	54	293	64,399	66,336	748,614	13,578	1,004,809	242,617
Ship and boat building, steel and wooden, including repair work	12	131	1,277	2,315	4,709	374,338	2,107,085	1,019,926	127,790	4,176,111	3,028,395
Signs and advertising novelties	5	7	39	-------	10	14,765	45,088	42,457	1,732	121,294	77,105
Statuary and art goods, factory products	3	-------	4	-------	1	-------	4,500	4,200	-------	19,100	14,900
Sugar, cane, not including products of refineries	70	404	2,319	66,513	266	459,516	1,642,463	11,437,579	784,979	18,325,792	6,103,234
Sugar refining, cane	4	202	2,223	7,250	-------	339,655	1,900,287	63,637,217	988,021	74,706,373	10,081,135
Surgical and orthopedic appliances, including artificial limbs	3	9	28	-------	11	25,200	29,807	8,896	360	53,219	43,963
Upholstering materials, not elsewhere classified	19	19	307	457	170	32,520	96,613	734,791	9,113	1,039,962	296,058
Window and door screens and weather strip	7	2	21	-------	97	(4)	25,965	28,022	834	82,811	53,955
Wirework, not elsewhere classified	3	3	9	-------	19	3,742	7,852	17,682	370	36,212	18,160
Wood preserving	9	53	560	3,792	374	118,294	448,474	6,084,471	135,744	8,188,310	1,968,095
Wood turned and shaped and other wooden goods, not elsewhere classified	9	25	277	695	283	71,317	186,948	466,562	7,645	849,665	375,458
Other industries	152	1,159	8,884	11,594	36,856	2,571,911	8,164,063	46,400,795	1,882,231	82,572,698	34,289,672

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 785 employees of central administrative offices, with salaries aggregating $1,986,599. See GENERAL EXPLANATIONS—Persons engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS BY INDUSTRIES FOR ORLEANS PARISH, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR EAST BATON ROUGE PARISH: 1929

[This table presents, for Orleans Parish, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the industries shown separately. East Baton Rouge Parish is also industrially important, but no statistics by industries can be published for it, for the reason given in the explanatory note]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
EAST BATON ROUGE PARISH											
[Because of the amount of manufacturing industry in this parish, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Petroleum refining"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	50	723	6,000	27,825	2,475	$2,104,550	$8,849,581	$81,949,832	$2,564,583	$102,424,633	$17,910,218
ORLEANS PARISH (COEXTENSIVE WITH NEW ORLEANS CITY)											
[The totals for all industries do not include data for a few establishments located outside the parish (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	786	3,591	22,592	18,288	54,762	$8,717,326	$21,120,699	$80,495,757	$2,240,415	$148,388,315	$65,652,143
Awnings, tents, sails, and canvas covers [1]	7	35	70	.....	55	110,566	81,780	455,737	3,219	755,309	296,353
Bags, other than paper, not made in textile mills	6	114	1,195	200	776	342,953	603,559	10,105,193	30,955	12,180,439	2,044,291
Beverages	11	89	334	639	1,040	281,410	370,883	1,249,851	57,716	3,688,576	2,381,009
Bookbinding and blank-book making	9	3	43	.....	43	4,678	49,958	19,397	1,123	129,674	109,154
Bread and other bakery products	118	145	1,607	206	2,013	383,413	1,624,322	4,349,302	185,866	9,227,910	4,692,742
Brooms	3	1	33	.....	17	(c)	41,292	55,576	713	106,901	50,612
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	9	25	105	.....	74	62,628	60,183	416,128	4,826	657,749	236,795
Car and general construction and repairs, steam-railroad repair shops	8	105	1,821	890	1,461	249,805	2,625,637	1,344,021	70,567	4,333,338	2,918,750
Cereal preparations	3	6	11	.....	53	4,419	6,702	47,923	1,014	90,479	41,542
Cigars and cigarettes [1]	12	54	1,287	.....	76	130,160	915,513	1,811,253	7,970	3,768,439	1,949,216
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	17	88	1,337	.....	201	269,997	729,143	2,045,893	22,777	3,882,649	1,913,979
Clothing, women's, not elsewhere classified	7	48	528	2	28	99,311	116,198	575,277	4,309	997,623	418,037
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	7	51	1,101	.....	278	91,799	436,673	1,775,051	8,780	2,783,930	1,000,099
Coffee and spice, roasting and grinding	15	86	186	.....	667	243,999	196,367	6,367,533	27,003	8,529,530	2,134,994
Concrete products	12	26	152	18	114	50,383	135,574	343,207	5,882	684,586	335,497
Confectionery	20	55	352	160	216	156,586	229,915	762,412	18,944	1,595,382	814,026
Cooperage	4	8	55	.....	20	16,791	40,662	212,052	582	321,985	109,351
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	11	33	244	.....	244	82,640	290,824	334,462	6,559	1,093,893	752,872
Feeds, prepared, for animals and fowls	4	39	70	.....	1,395	101,890	75,998	1,958,046	19,213	2,813,560	836,301
Flavoring extracts and flavoring sirups [1]	10	28	49	.....	94	68,811	48,088	1,844,638	2,910	6,003,832	4,156,284
Food preparations, not elsewhere classified	7	25	85	8	112	63,562	52,484	826,247	5,825	1,272,012	439,940
Foundry and machine-shop products, not elsewhere classified	21	52	294	146	1,065	137,826	440,409	460,489	27,939	1,328,869	840,441
Furniture, including store and office fixtures [1]	22	74	942	465	924	280,555	737,568	1,383,306	22,527	3,040,868	1,635,035
Hand stamps and stencils and brands	5	3	24	.....	10	8,160	29,500	30,039	882	97,231	66,313
House-furnishing goods, not elsewhere classified	5	15	71	.....	69	27,550	33,586	192,625	1,976	367,841	173,240
Ice cream	24	30	111	.....	445	70,307	114,474	446,541	26,173	1,013,444	540,730
Ice, manufactured	29	76	345	3,245	7,784	205,498	421,056	94,539	342,311	2,181,711	1,744,861
Jewelry [1]	6	4	61	.....	45	11,500	71,299	34,488	975	163,171	127,708
Macaroni, spaghetti, vermicelli, and noodles [1]	12	26	114	70	629	50,531	121,685	673,502	29,887	1,068,362	364,873
Marble, granite, slate, and other stone products	6	12	109	200	297	56,582	172,284	148,821	11,347	550,002	389,834
Mattresses and bed springs, not elsewhere classified	7	15	75	.....	341	34,373	56,465	154,544	5,400	328,512	168,568
Paints and varnishes [1]	10	59	116	.....	618	148,907	129,976	1,065,129	14,198	2,486,314	1,406,987
Patent or proprietary medicines and compounds [1]	21	47	123	.....	34	111,720	77,220	518,960	3,606	1,587,862	1,065,356
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	25	95	389	1,825	1,283	228,504	415,204	1,656,122	18,552	3,025,875	1,351,201
Printing and publishing, book and job	88	213	600	.....	883	493,409	887,249	957,322	37,521	3,316,626	2,321,783
Printing and publishing, newspaper and periodical	25	789	496	.....	1,315	1,463,111	877,306	1,790,619	44,889	6,585,122	4,749,614
Rice cleaning and polishing	3	34	104	625	375	82,594	66,116	1,864,158	23,223	2,443,149	555,768
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	5	14	34	44	190	33,956	36,772	583,387	9,683	780,499	187,429
Ship and boat building, steel and wooden, including repair work	6	112	1,117	2,058	4,694	334,295	2,002,321	961,065	120,620	3,976,797	2,895,112
Statuary and art goods, factory product	3	.....	4	.....	1	.....	4,500	4,200	.....	19,100	14,900
Surgical and orthopedic appliances, including artificial limbs	3	9	28	.....	11	25,200	29,807	8,896	360	53,219	43,963
Window and door screens and weather strip	7	2	21	.....	97	(c)	25,965	28,022	834	82,811	53,955
Other industries	164	868	7,195	7,522	24,950	2,152,172	5,802,360	30,859,237	1,015,849	49,531,689	17,656,603

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for the following numbers of establishments located outside the parish have been included in the items for the parish to avoid disclosing the data reported by those establishments: Awnings, tents, sails, and canvas covers, 1; cigars and cigarettes, 1; flavoring extracts and flavoring sirups, 1; furniture, including store and office fixtures, 1; jewelry, 1; macaroni, spaghetti, vermicelli, and noodles, 2; paints and varnishes, 2; and patent or proprietary medicines and compounds, 2.
[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

MAINE

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	1,568	70,159	679,153	510,505	168,648	$74,199,961	$217,366,820	$204,622,589	$12,744,231	$391,751,334	$174,384,514
1927	1,426	68,142	628,941	468,272	160,669	74,212,035	208,865,679	196,073,350	12,792,329	372,093,474	163,227,795
1925	1,500	73,849	600,787	460,727	140,060	79,777,217	205,708,596	(4)	(4)	371,849,483	166,140,887
1923	1,642	83,328	570,532	432,690	137,842	91,854,368	217,069,933	(4)	(4)	402,650,287	185,580,354
1921	1,761	75,710	(5)	(5)	(4)	83,429,077	192,102,483	(4)	(4)	339,561,543	147,459,060
1919	2,995	88,651	545,613	452,864	92,749	94,225,346	254,568,523	241,084,861	13,483,662	456,821,783	202,253,260
1914	3,378	82,149	486,032	439,688	46,344	43,253,703	117,654,909	111,720,678	5,934,231	200,450,118	82,795,209
1909	3,546	79,955	458,302	431,099	27,203	37,632,284	97,101,224	92,213,984	4,887,240	176,029,393	78,928,169
1904	3,145	74,958	341,506	333,445	8,061	32,691,759	80,042,090	76,309,958	3,732,132	144,020,197	63,978,107
1899	2,878	69,914	258,015	250,443	7,572	25,730,735	61,210,327	(6)	(6)	112,959,098	51,748,771
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	10.0	3.0	8.0	9.0	5.0	(7)	4.1	4.4	—0.4	5.3	6.8
1925–1927	—4.9	—7.7	4.7	1.6	14.7	—7.0	1.5			0.1	—1.8
1923–1925	—8.6	—11.4	5.3	6.5	1.6	—13.1	—5.2			—7.6	—10.5
1921–1923	—6.8	10.1				10.1	13.0			18.6	25.9
1919–1921	—41.2	—14.6				—11.5	—24.5			—25.7	—27.1
1919–1929	—47.6	—20.9	24.5	12.7	81.8	—21.3	—14.6	—15.1	—5.5	—14.2	—13.8
1909–1919	—15.5	10.9	19.1	5.0	241.0	150.4	162.2	161.4	175.9	159.5	156.2
1899–1909	23.2	14.4	77.6	72.1	259.3	46.3	58.6			55.8	52.5

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.
[7] Less than one-tenth of 1 per cent.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY AND CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	797,423	1,568	70,159	679,153	$74,199,961	$217,366,820	$204,622,589	$12,744,231	$391,751,334	$174,384,514
Counties										
Androscoggin [3]	71,214	178	12,726	58,868	12,146,138	26,233,372	25,358,080	875,292	51,798,033	25,564,661
Aroostook	87,843	84	1,779	27,383	2,117,107	8,023,556	7,499,074	524,482	13,139,206	5,115,650
Cumberland	134,645	315	9,648	60,402	10,612,524	29,450,663	27,804,128	1,646,535	57,628,797	28,178,134
Franklin	,941	66	2,610	73,859	2,817,286	8,365,111	7,903,973	461,138	15,380,940	7,015,829
Hancock	30,721	41	636	3,614	546,582	1,530,873	1,478,189	52,684	2,846,633	1,315,760
Kennebec	70,691	121	8,338	65,724	9,238,244	26,760,275	24,852,854	1,907,421	47,377,412	20,617,137
Knox	27,693	66	2,295	20,029	2,499,646	3,828,795	3,197,596	631,199	9,067,616	5,238,821
Lincoln	15,498	26	342	794	311,594	488,619	478,268	10,351	1,139,348	650,729
Oxford	41,483	103	5,194	57,439	5,497,296	23,733,038	22,158,138	1,574,900	35,490,544	11,757,506
Penobscot	92,379	193	6,560	138,230	8,282,437	38,870,813	35,892,105	2,978,708	64,661,520	25,790,707
Piscataquis	18,231	33	1,485	5,686	1,658,694	3,207,494	3,091,168	116,326	7,545,249	4,337,755
Sagadahoc	16,927	29	1,906	22,191	2,193,071	5,452,034	5,212,101	239,933	9,409,631	3,957,597
Somerset	39,111	79	2,590	41,593	2,906,589	9,809,114	9,348,222	460,892	15,269,952	5,460,838
Waldo	20,286	34	384	1,634	346,631	1,204,128	1,187,870	16,258	2,190,408	986,280
Washington	37,826	74	2,690	34,549	2,090,168	9,155,710	8,790,330	365,380	14,487,692	5,331,982
York	72,934	126	10,976	67,158	10,935,954	21,253,225	20,370,493	882,732	44,318,353	23,065,128
Cities having 10,000 inhabitants or more										
Auburn	18,571	55	4,932	7,161	4,474,515	10,027,828	9,878,955	148,873	20,253,640	10,225,812
Augusta	17,198	29	1,831	19,696	1,940,397	6,872,659	6,123,341	749,318	11,243,678	4,371,019
Bangor	28,749	65	785	2,525	919,608	2,424,407	2,312,289	112,118	4,946,109	2,521,702
Biddeford	17,633	30	4,395	33,284	4,434,284	6,807,226	6,552,666	254,560	14,244,177	7,436,951
Lewiston	34,948	76	5,992	28,280	5,753,745	9,834,245	9,416,405	417,840	21,069,612	11,235,367
Portland	70,810	213	4,518	14,965	5,191,186	14,106,617	13,309,408	797,209	28,291,351	14,184,734
South Portland	13,840	8	349	2,030	388,847	711,182	654,061	57,121	1,445,558	734,376
Waterville	15,454	27	2,263	16,950	2,394,237	4,510,624	4,162,006	348,618	9,828,731	5,318,107
Westbrook	10,807	15	2,325	26,526	2,778,580	9,244,467	8,639,078	605,389	17,804,227	8,559,760

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] For statistics by industries for this county, see Table 13.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	77,690	57,869	19,821	891	865	26	[2] 844	[3] 799	[2] 45	[2] 5,796	[2] 4,043	[2] 1,753	70,159	[3] 52,162	[3] 17,997
1919 [1, 4]	99,312	76,831	22,481	2,745	2,679	66	1,029	976	53	6,887	4,646	2,241	88,651	68,530	20,121
1914 [4]	90,758	71,040	19,718	3,344	3,246	98	725	705	20	4,540	3,467	1,073	82,149	63,622	18,527
1909	88,476	68,647	19,829	3,661	3,532	129	643	632	11	4,217	3,063	1,154	79,955	61,420	18,535

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 92; male, 89; female, 3. Other salaried officers and employees—total, 333; male, 199; female, 134. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which the industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **hold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	70,159	*63,951*	66,357	68,119	69,926	69,990	71,617	72,087	74,263	77,318	74,725	67,485	66,070	82.7
1919 [1]	88,651	84,884	79,492	*78,696*	78,698	85,289	87,769	89,503	94,092	98,407	97,474	95,134	94,374	80.0
1914 [1]	82,149	82,527	82,406	81,457	79,169	83,812	80,810	78,888	79,811	88,053	87,519	83,540	77,796	88.4
1909 [1]	79,955	76,737	77,541	77,956	77,722	81,355	79,315	*76,489*	78,086	85,369	85,501	84,468	78,925	89.5

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,568	70,159	45 and over but under 48	46	1,098
			48	259	17,489
Not reported	253	904	Over 48 but under 54	175	12,292
Under 40	31	991	54	506	27,300
40	30	1,980	Over 54 but under 60	53	2,842
Over 40 but under 44	13	552	60 and over	106	2,626
44 and over but under 45	96	2,085			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,568	2,995	3,546	70,159	88,651	79,955	51 to 100	100	127	133	7,018	9,310	9,745
							101 to 250	94	118	96	13,592	18,702	15,632
No wage earners	19	330	298				251 to 500	35	28	27	12,022	9,898	9,575
1 to 5	700	1,583	1,999	2,170	3,288	4,407	501 to 1,000	18	13	11	12,667	8,776	7,313
6 to 20	404	527	717	4,289	5,684	7,956	1,001 to 2,500	7	16	11	[1] 12,049	24,815	16,882
21 to 50	190	253	254	6,352	8,178	8,445	2,501 and over	1					

[1] Combined to avoid disclosing number of wage earners for an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,568	2,995	3,546	70,159	88,651	79,955	$391,751,334	$456,821,783	$176,029,303	$174,384,514	$202,253,260	$78,928,169
Less than $5,000	(2)	880	1,451	(2)	645	2,178	(2)	2,049,050	3,286,165	(2)	1,258,842	2,098,923
$5,000 to $19,999	620	921	1,194	2,059	2,920	6,919	7,048,305	9,818,256	12,260,959	4,107,298	5,257,536	6,526,395
$20,000 to $99,099	514	698	610	5,876	8,364	13,308	23,648,655	31,874,857	26,688,857	12,929,042	15,192,551	12,849,097
$20,000 to $49,999	338	(3)	(3)	2,923	(3)	(3)	11,222,626	(3)	(3)	6,321,031	(3)	(3)
$50,000 to $99,999	176	(3)	(3)	2,953	(3)	(3)	12,426,029	(3)	(3)	6,608,011	(3)	(3)
$100,000 to $499,999	287	311		14,451	16,399		63,570,901	69,479,529		31,541,634	31,499,590	
$100,000 to $249,999	189	(2)	266	6,576	(3)	32,998	28,461,132	(3)	76,542,507	13,523,739	(3)	32,216,172
$250,000 to $499,999	98	(3)		7,875	(3)		35,109,769	(3)		18,017,895	(3)	
$500,000 to $999,999	63	84		8,834	10,497		44,928,085	59,168,310		19,997,451	25,650,628	
$1,000,000 and over	84	101	25	38,939	49,826	24,552	252,555,388	284,431,781	57,250,905	105,809,089	123,394,113	25,237,582
$1,000,000 to $2,499,999	49	(3)	(3)	13,093	(3)	(3)	75,784,957	(3)	(3)	33,278,081	(3)	(3)
$2,500,000 to $4,999,999	25	(3)	(3)	14,845	(3)	(3)	82,438,757	(3)	(3)	33,458,340	(3)	(3)
$5,000,000 and over	10	(3)	(3)	11,001	(3)	(3)	94,331,674	(3)	(3)	39,072,668	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[2] No data.

[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,568	2,995	70,159	88,651	$391,751,334	$456,821,783	$174,384,514	$202,253,260
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	779	894	63,484	78,642	364,900,284	410,003,137	160,214,817	180,525,294
Other forms of ownership or control (individual, partnership, etc.)	789	2,101	6,675	10,009	26,851,050	46,818,646	14,169,697	21,727,966
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	334	(1)	40,098	(1)	250,725,672	(1)	104,949,246	(1)
Independent (single-unit)	1,234	(1)	30,061	(1)	141,025,662	(1)	69,435,268	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy				
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	679,153	510,505	702	103,370	78	67,234	95	2,217	668	337,684	15,108	168,648	11,671	203,072
1927	628,941	468,272	749	91,554	62	57,125	109	1,723	655	317,870	12,888	160,669	8,982	192,590
1925	600,787	460,727	855	104,840	80	51,969	101	2,386	763	301,532	11,667	140,060	7,999	150,991
1919 [1]	545,613	452,864	1,424	141,437	69	32,418	400	4,481	1,104	274,528	7,043	92,749	3,306	72,047
1914 [1]	486,032	439,688	[2] 1,898	[2] 176,792	(3)	(3)	440	4,582	1,429	258,314	3,680	46,344	1,919	61,356
Counties in which aggregate horsepower exceeded 25,000: 1929														
Androscoggin	58,868	46,381	42	6,128	5	2,164	7	62	97	38,027	2,298	12,487	3,230	22,977
Aroostook	27,383	25,109	33	24,704	----	----	10	250	2	155	234	2,274	540	15,820
Cumberland	60,402	39,747	99	7,625	16	7,919	11	187	91	24,016	2,867	20,655	1,148	22,176
Franklin	73,859	71,761	70	7,239	4	5,800	12	258	51	58,464	317	2,098	366	9,843
Kennebec	65,724	39,493	75	[4] 8,908	10	4,595	1	(4)	73	25,990	1,931	26,231	1,042	19,999
Oxford	57,439	34,635	105	14,313	2	110	6	109	36	20,103	851	22,804	411	10,507
Penobscot	138,230	117,336	65	[4] 13,310	14	13,218	1	(4)	155	90,808	1,597	20,894	1,183	45,941
Somerset	41,593	30,205	31	4,397	----	----	5	139	33	25,669	549	11,388	173	12,841
Washington	34,549	32,551	40	2,818	13	2,398	19	250	23	27,085	284	1,998	572	15,113
York	67,158	47,259	44	[4] 6,184	11	30,590	1	(4)	60	10,485	2,755	19,899	2,779	22,433

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

[2] Reported as "Steam engines and turbines."

[3] Not reported separately. See footnote 2.

[4] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishm

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	679,153	510,505	168,648	203,072	Oxford	57,439	34,635	22,804	10,507
					Penobscot	138,230	117,336	20,894	45,941
Androscoggin	58,868	46,381	12,487	22,977	Piscataquis	5,686	2,902	2,784	598
Aroostook	27,383	25,109	2,274	15,820	Sagadahoc	22,191	16,210	5,981	3,029
Cumberland	60,402	39,747	20,655	22,176					
Franklin	73,859	71,761	2,098	9,843	Somerset	41,593	30,205	11,388	12,841
					Waldo	1,634	1,138	496	
Hancock	3,614	2,428	1,186	1,329	Washington	34,549	32,551	1,998	15,113
Kennebec	65,724	39,493	26,231	19,999	York	67,158	47,259	19,899	22,433
Knox	20,029	2,920	17,109	466					
Lincoln	794	430	364						

[1] Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	1,253,504	$7,753,404	1,047,749	1,201,786	1,306,045	1,102,720	987,661
Anthracite (tons, 2,240 pounds)	31,342	247,480	(3)	54,378	43,234	79,024	46,728
Bituminous (tons, 2,000 pounds)	1,218,401	7,505,924	(3)	1,140,883	1,257,623	1,014,213	935,326
Coke (tons, 2,000 pounds)	9,434	100,326	(4)	(4)	21,972	9,034	10,714
Fuel oils, including crude oils and gas oils (gallons) [5]	33,627,515	1,382,757	(4)	(4)	23,856,168	1,317,792	879,270
Gasoline and kerosene (gallons) [5]	140,506	23,350	(4)	(4)	313,866		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	110,443	90,945	(4)	(4)	45,503	9,497	8,999
Other fuels		148,268	(4)	(4)	(4)	(4)	(4)
Electric energy purchased (kilowatt-hours)	328,959,106	3,245,838	(6)	(4)	(4)	(4)	(4)
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 12,744,888	$12,792,329	(5)	$13,483,662	$5,934,231	$4,887,240

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929 reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
All industries, total	1,568	[3] 6,640	70,159	510,505	168,648	[3] $16,100,485	$74,199,961	$204,622,589	$12,744,231	$391,751,334	$174,384,514
Agricultural implements	5	12	111	25	464	28,062	143,157	121,250	21,735	434,245	291,260
Awnings, tents, sails, and canvas covers	6	5	23	-------	13	13,580	26,727	68,487	1,487	159,893	89,919
Beverages	50	31	108	6	357	51,977	128,348	335,506	14,334	939,670	589,830
Bookbinding and blank-book making	5	7	44	-------	39	14,692	46,648	44,274	1,783	173,825	127,768
Boot and shoe findings, not made in boot and shoe factories	6	35	299	250	520	120,285	242,952	452,946	12,737	1,258,017	792,334
Boots and shoes, other than rubber	42	867	9,967	565	5,878	2,088,146	9,288,957	20,578,007	215,338	38,931,948	18,138,603
Boxes, paper, not elsewhere classified	13	28	279	-------	198	58,511	212,664	331,563	9,467	728,094	387,064
Boxes, wooden, except cigar boxes	13	43	694	1,769	1,686	129,665	687,505	1,286,122	32,243	2,567,807	1,249,442
Bread and other bakery products	133	121	1,042	6	1,331	253,163	1,143,224	3,500,639	173,907	7,426,748	3,752,202
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	63	176	2,393	1,682	2,281	283,314	1,226,661	5,394,485	143,593	8,470,859	2,932,781
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	106	178	1,140	2,833	1,989	262,896	862,535	5,223,348	71,720	8,313,833	3,018,815
Car and general construction and repairs, electric-railroad repair shops	8	17	119	-------	314	42,098	138,243	88,225	7,516	276,082	180,341
Car and general construction and repairs, steam-railroad repair shops	10	153	983	80	3,964	342,107	1,376,310	1,378,212	130,178	3,228,451	1,720,061
Caskets, coffins, burial cases, and other morticians' goods	5	15	65	128	197	49,947	81,895	223,765	5,054	388,536	159,717
Cigars and cigarettes	6	8	105	-------	6	13,055	107,756	161,138	1,099	375,913	213,676
Clay products (other than pottery) and nonclay refractories	16	22	249	137	1,190	58,405	284,704	56,638	145,639	633,159	430,882
Cleaning and polishing preparations	4	5	5	-------	6	8,398	6,460	19,108	533	71,815	52,174
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	9	21	311	-------	69	35,774	238,309	514,766	6,620	994,154	472,768
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	6	12	151	-------	39	21,222	110,401	282,399	3,471	475,488	189,618
Concrete products	9	5	31	21	100	6,700	36,318	31,079	1,972	98,593	65,542
Confectionery	23	27	124	550	142	36,341	93,958	269,224	12,270	577,859	296,365
Cooperage	10	3	43	178	107	4,650	46,317	146,535	3,016	225,135	75,584
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	7	17	54	-------	67	41,846	84,340	199,950	4,050	483,997	279,997
Corn sirup, corn sugar, corn oil, and starch	17	1	76	131	548	(4)	64,529	222,690	7,543	493,703	263,470
Drugists' preparations	4	7	37	-------	13	9,128	28,901	30,266	1,438	93,715	62,011
Fertilizers	11	54	196	510	565	103,603	199,113	2,288,379	17,545	3,236,769	930,845
Flavoring extracts and flavoring sirups	10	27	58	-------	49	80,846	63,245	320,648	3,742	834,650	510,260
Flour and other grain-mill products	37	29	61	260	1,490	36,813	38,394	1,397,034	15,041	1,666,767	254,692
Foundry and machine-shop products, not elsewhere classified	36	135	1,145	215	4,283	336,069	1,335,264	986,889	101,666	3,738,048	2,649,493
Fur goods	6	18	30	-------	23	42,865	37,037	58,042	2,608	187,422	126,772
Furniture, including store and office fixtures	15	38	305	-------	1,287	109,275	318,273	479,987	17,504	1,188,462	691,871
Gas, manufactured, illuminating and heating	9	96	227	570	913	168,610	348,898	572,226	519,338	2,056,191	964,627
Ice cream	19	58	164	-------	1,557	133,148	217,481	915,799	32,702	2,172,053	1,223,552
Leather: Tanned, curried, and finished	5	21	147	525	463	52,579	148,224	413,450	26,410	742,740	302,900
Lumber and timber products, not elsewhere classified	235	175	3,436	21,567	5,792	358,182	3,326,744	4,044,298	56,582	11,077,511	6,976,631
Marble, granite, slate, and other stone products	29	58	996	2,278	4,049	169,725	1,375,382	463,142	88,161	2,888,046	2,336,743
Mattresses and bed springs, not elsewhere classified	4	12	67	-------	292	60,903	64,871	234,151	4,482	423,165	184,532
Meat packing, wholesale	8	21	114	-------	410	43,341	130,555	1,587,576	15,021	1,991,314	388,717
Paper	26	813	8,596	365,605	50,304	2,240,097	10,994,794	51,849,634	4,970,050	90,072,846	33,253,162
Pulp (wood and other fiber)	24	236	3,835			746,092	5,129,508	26,583,350	2,628,460	43,497,951	14,286,141
Patent or proprietary medicines and compounds	9	16	33	-------	34	58,803	29,011	88,206	3,053	390,930	299,671
Photo-engraving, not done in printing establishments	6	8	23	-------	43	16,890	35,673	19,574	1,763	110,987	89,650
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	51	127	596	1,608	4,498	287,288	704,427	1,488,462	45,358	3,224,507	1,690,687
Printing and publishing, book and job	66	110	432	-------	829	250,448	567,851	482,421	25,361	1,864,835	1,357,053
Printing and publishing, newspaper and periodical	51	681	1,011	-------	1,569	1,258,406	1,299,254	1,511,969	70,702	6,872,043	5,289,372
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	10	11	55	-------	357	30,246	64,824	621,277	11,873	924,763	291,613
Ship and boat building, steel and wooden, including repair work	24	83	1,134	859	2,779	194,205	1,362,209	2,380,400	53,327	4,421,069	1,987,342
Shirts	7	46	542	-------	177	103,127	398,436	562,206	9,280	1,239,655	668,169
Signs and advertising novelties	7	6	34	-------	11	17,140	38,686	34,204	895	153,641	118,542
Sporting and athletic goods, not including firearms or ammunition	5	6	52	-------	144	8,329	50,227	47,329	3,245	141,624	91,050
Stoves and ranges (other than electric) and warm-air furnaces	4	33	161	235	129	103,328	191,840	137,762	11,938	543,405	393,705
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	3	13	71	-------	287	55,316	114,150	253,849	5,435	507,343	248,059
Toys (not including children's wheel goods or sleds), games, and playground equipment	7	59	455	1,600	762	146,604	417,201	486,615	25,079	1,312,316	800,622
Wood turned and shaped and other wooden goods, not elsewhere classified	72	213	2,212	8,428	3,332	396,740	2,187,269	2,452,049	61,114	6,613,430	4,100,267
Woolen goods	48	507	6,526	13,790	9,596	1,409,720	7,484,852	16,218,548	699,812	31,782,318	14,863,958
Wool shoddy	3	13	77	-------	973	47,360	78,724	637,315	19,436	838,408	181,657
Worsted goods	7	126	3,956	3,390	12,261	546,185	3,850,018	10,229,357	465,211	22,119,599	11,425,031
Other industries	138	975	15,259	80,704	37,872	2,513,940	14,869,707	33,816,739	1,703,294	65,094,937	29,574,904

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 425 employees of central administrative offices, with salaries aggregating $1,234,574. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS BY INDUSTRIES FOR ANDROSCOGGIN COUNTY, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR CUMBERLAND AND FOR YORK COUNTIES: 1929

[This table presents separate figures for each industry in Androscoggin County for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the industries shown separately. Cumberland and York counties are also industrially important, but no statistics by industries can be published for them, for the reasons given in the explanatory notes]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
ANDROSCOGGIN COUNTY											
All industries, total	178	1,148	12,726	46,381	12,487	$2,896,167	$12,146,138	$25,358,080	$875,292	$51,798,033	$25,564,661
Beverages	4	5	8	--------	46	4,114	13,275	28,217	1,697	72,172	42,258
Boots and shoes, other than rubber	14	481	4,577	--------	3,173	1,046,666	4,096,111	8,032,094	90,710	16,812,428	8,689,624
Boxes, wooden, except cigar boxes	5	6	85	204	433	8,136	79,956	180,453	4,844	335,599	150,302
Bread and other bakery products	27	11	154	2	180	11,977	178,083	608,777	29,157	1,173,880	535,946
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	10	11	96	274	79	17,717	58,370	353,298	4,374	609,320	251,648
Clay products (other than pottery) and nonclay refractories	6	--------	39	20	115	----------	42,626	2,442	23,316	90,320	64,562
Foundry and machine-shop products, not elsewhere classified	4	9	67	50	189	18,814	83,113	38,248	7,948	207,673	161,477
Lumber and timber products, not elsewhere classified	7	2	35	430	50	(1)	28,574	26,068	824	87,462	60,570
Marble, granite, slate, and other stone products	4	6	27	--------	209	12,071	57,092	29,121	3,039	144,171	112,011
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	7	22	60	150	1,107	55,355	75,724	133,074	7,669	311,563	170,820
Printing and publishing, book and job	7	21	54	--------	116	59,094	73,308	59,568	3,275	240,246	177,403
Wood turned and shaped and other wooden goods, not elsewhere classified	6	13	124	340	203	27,824	101,284	150,977	6,993	343,477	185,507
Woolen goods	6	103	1,112	3,258	493	344,415	1,225,742	3,062,361	82,044	6,268,498	3,124,093
Other industries	71	458	6,288	41,653	6,094	1,289,984	6,032,880	12,653,382	609,402	25,101,224	11,838,440
CUMBERLAND COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Paper"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	315	1,608	9,648	39,747	20,655	$3,648,567	$10,612,524	$27,804,128	$1,646,535	$57,628,797	$28,178,134
YORK COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Worsted goods"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	126	667	10,976	47,259	19,899	$1,599,360	$10,935,954	$20,370,493	$882,732	$44,318,353	$23,065,128

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

MARYLAND

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	3,231	131,099	659,823	297,592	362,231	$148,835,163	$696,985,542	$662,885,813	$34,099,729	$1,119,082,289	$422,096,747
1927	3,205	124,709	579,713	275,434	304,279	141,902,797	564,120,437	531,135,234	32,985,203	943,410,896	379,290,459
1925	3,184	125,787	544,558	259,220	285,338	138,590,434	568,591,242	(4)	(4)	926,251,640	357,660,398
1923	3,168	128,826	497,945	187,171	310,774	136,285,549	569,035,133	(4)	(4)	903,446,222	334,411,089
1921	3,128	107,085	(5)	(5)	(5)	110,484,620	386,868,228	(4)	(4)	637,573,713	250,705,485
1919	4,937	140,342	406,637	251,606	155,031	147,866,545	549,347,379	527,696,308	21,651,071	873,944,774	324,597,395
1914	4,797	111,585	262,199	219,956	42,243	53,792,339	238,971,973	231,246,890	7,725,083	377,749,078	138,777,105
1909	4,837	107,921	217,313	200,205	17,108	45,435,829	199,048,905	192,004,856	7,044,049	315,609,150	116,620,245
1904	3,852	94,174	164,090	160,781	3,309	36,144,244	150,024,066	145,271,590	4,752,476	243,375,996	93,351,930
1899	3,886	94,170	130,402	129,669	733	32,414,429	129,354,412	(6)	(6)	211,076,143	81,721,731
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	0.8	3.5	13.8	8.0	19.0	4.9	23.6	24.8	3.4	18.6	11.3
1925–1927	0.7	0.7	6.5	6.3	6.6	2.4	−0.8			1.9	6.0
1923–1925	0.5	−2.4	9.4	38.5	−8.2	1.7	−0.1			2.5	7.0
1921–1923	1.3	20.3				23.4	47.1			41.7	33.4
1919–1921	−36.6	−23.7				−25.3	−29.6			−27.0	−22.8
1919–1929	−34.6	−6.6	62.3	18.3	133.7	0.7	26.9	25.6	57.5	28.0	30.0
1909–1919	2.1	30.0	87.1	25.7	896.2	225.4	176.0	174.8	207.4	176.9	178.3
1899–1909	24.5	14.6	66.6	54.4	2,254.0	40.2	53.9			49.6	42.7

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR THE BALTIMORE INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower.[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State [3]	1,631,526	3,231	131,099	659,823	$148,835,163	$696,985,542	$662,885,813	$34,099,729	$1,119,082,289	$422,096,747
Baltimore Industrial Area [4]	929,439	2,211	99,601	503,520	119,016,754	606,837,414	576,684,590	30,152,824	949,853,476	343,016,062
Counties										
Allegany	79,098	80	9,940	63,430	11,852,910	30,349,400	28,943,616	1,405,784	63,188,523	32,839,123
Anne Arundel	55,167	26	601	1,610	740,804	2,117,549	2,019,377	98,172	3,575,785	1,458,236
Baltimore [4]	124,565	71	13,946	209,729	22,632,419	84,898,358	73,675,845	11,222,513	135,071,279	50,172,921
Calvert	9,528	5	94	272	55,139	74,618	73,224	1,394	184,651	110,033
Caroline	17,387	66	878	1,849	490,640	2,888,136	2,829,676	58,460	4,338,633	1,450,497
Carroll	35,978	80	1,787	16,110	1,481,940	6,242,009	5,730,342	511,667	10,438,945	4,196,936
Cecil	25,827	31	1,035	4,706	1,041,272	3,386,408	3,153,825	232,583	5,712,477	2,326,069
Charles	16,166	6	16	172	14,864	36,287	33,110	3,177	78,771	42,484
Dorchester	26,813	83	1,919	3,904	1,047,402	5,903,931	5,798,354	105,577	9,064,162	3,160,231
Frederick	54,440	87	2,635	12,523	2,446,351	8,105,692	7,783,747	321,945	13,073,078	4,967,386
Garrett	19,908	12	175	466	170,053	236,806	235,545	1,261	538,343	301,537
Harford	31,603	74	702	2,800	520,622	1,942,138	1,885,023	57,115	3,450,775	1,508,637
Howard	16,169	12	806	6,891	746,527	4,271,459	4,180,866	90,593	6,724,249	2,452,790
Kent	14,242	18	195	1,028	128,104	722,996	706,011	16,985	1,239,799	516,803
Montgomery	49,206	37	239	3,264	356,625	987,028	946,888	40,140	1,802,779	875,751
Prince Georges	60,095	27	255	680	223,601	312,209	271,065	41,144	924,788	612,579
Queen Annes	14,571	24	254	1,082	153,475	751,637	732,606	19,031	1,280,023	528,386
St. Marys	15,189	16	45	619	26,457	136,162	130,072	6,090	233,014	96,852
Somerset	23,382	53	775	3,002	465,417	1,548,744	1,474,548	74,196	2,715,553	1,166,809
Talbot	18,583	43	709	2,069	421,853	1,514,775	1,457,899	56,876	2,568,223	1,053,448
Wesbington	65,882	100	5,748	23,316	5,679,899	14,610,701	13,971,454	639,247	29,615,204	15,004,503
Wicomico	31,229	86	1,971	4,112	1,342,185	2,796,628	2,657,451	139,177	6,128,075	3,331,447
Worcester	21,624	54	719	2,398	412,269	1,212,815	1,186,524	26,291	2,292,963	1,080,148
Cities having 10,000 inhabitants or more										
Annapolis	12,531	8	31	34	42,771	56,277	54,096	2,181	184,993	128,716
Baltimore [4]	804,874	2,140	85,655	293,791	96,384,335	521,939,056	503,008,745	18,930,311	814,782,197	292,843,141
Cumberland	37,747	49	5,664	24,770	7,506,866	20,969,529	20,377,925	591,904	37,949,536	16,979,707
Frederick	14,434	44	1,488	5,508	1,271,554	5,744,366	5,575,087	169,279	8,897,992	3,153,626
Hagerstown	30,861	78	4,946	13,131	4,927,976	11,952,713	11,642,678	310,035	23,003,598	11,050,885
Salisbury	10,997	39	995	2,591	825,557	1,672,096	1,562,843	109,253	3,869,608	2,197,512

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The State items are equivalent to the sums of the county items and those for the city of Baltimore, which is not included in any county.
[4] The Baltimore Industrial Area comprises Baltimore County and the independent city of Baltimore. For statistics by industries for the area and for Baltimore city see Table 13.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	153,276	112,548	40,728	2,370	2,309	61	[2] 2,386	[2] 2,257	[2] 129	[2] 17,421	[2] 12,248	[2] 5,173	131,099	[3] 95,734	[3] 35,365
1919 [1,4]	165,875	125,616	40,259	5,129	4,993	136	1,875	1,820	55	18,529	13,826	4,703	140,342	104,977	35,365
1914 [4]	131,391	95,356	36,035	5,005	4,834	171	1,508	1,471	37	13,293	10,747	2,546	111,585	78,304	33,281
1909	125,489	91,239	34,250	5,376	5,220	156	1,317	1,294	23	10,875	9,152	1,723	107,921	75,573	32,348

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 230; male, 227; female 3. Other salaried officers and employees—total, 1,224; male, 685; female, 539. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	131,099	*121,063*	124,627	126,879	129,147	128,673	130,504	132,696	141,203	147,888	137,708	128,550	124,270	81.9
1919 [1]	140,342	140,053	135,797	131,774	*129,128*	130,161	133,609	137,456	144,217	160,313	160,567	141,261	139,768	80.4
1914 [1]	111,585	106,837	106,899	108,456	110,167	110,968	110,879	107,202	123,844	134,437	118,633	101,335	*99,363*	73.9
1909 [1]	107,921	*95,070*	97,225	99,541	100,753	103,000	105,652	105,116	124,505	133,268	118,475	106,932	105,514	71.3

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	3,231	131,099	45 and over but under 48	193	11,611
			48	469	34,966
Not reported	534	1,755	Over 48 but under 54	561	30,768
Under 40	52	692	54	147	4,454
40	96	1,276	Over 54 but under 60	233	14,684
Over 40 but under 44	23	1,392	60 and over	315	7,174
44 and over but under 45	608	22,327			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	3,231	4,937	4,837	131,099	140,342	107,921	51 to 100	226	194	182	15,997	14,004	13,085
							101 to 250	150	143	127	23,909	22,375	19,858
No wage earners	89	636	504				251 to 500	49	47	42	17,499	15,005	14,318
1 to 5	1,375	2,351	2,348	4,176	5,221	5,630	501 to 1,000	35	25	22	23,570	16,968	15,628
6 to 20	881	1,062	1,190	9,887	11,880	12,989	1,001 to 2,500	5	15	8	7,160	40,010	13,219
21 to 50	418	464	414	13,725	14,879	13,184	2,501 and over	3			15,176		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	3,231	4,937	4,837	131,099	140,342	107,921	$1,119,082,289	$873,944,774	$315,669,150	$422,096,747	$324,597,395	$116,620,245
Less than $5,000	(2)	1,122	1,689	(2)	941	3,040	(2)	2,706,913	4,227,777	(2)	1,631,219	2,547,434
$5,000 to $19,999	1,101	1,603	1,767	3,992	5,486	11,346	12,343,252	17,339,308	17,825,972	7,508,332	8,972,817	8,899,931
$20,000 to $99,999	1,131	1,273	899	12,910	14,026	18,344	54,630,995	57,806,410	38,980,483	29,521,991	25,632,799	17,364,553
$20,000 to $49,999	679	(3)	(3)	5,633	(3)	(3)	22,227,521	(3)	(3)	12,559,145	(3)	(3)
$50,000 to $99,999	452	(3)	(3)	7,277	(3)	(3)	32,403,474	(3)	(3)	16,962,846	(3)	(3)
$100,000 to $499,999	702	675	441	29,861	29,068	46,859	156,830,044	148,743,829	130,048,877	77,406,220	63,006,491	53,355,069
$100,000 to $249,999	464	(3)		14,301	(3)		73,364,794	(3)		36,877,409	(3)	
$250,000 to $499,999	238	(3)		15,560	(3)		83,465,250	( )		40,528,811	(3)	
$500,000 to $999,999	130	123		14,036	14,772		90,639,175	86,730,231		42,149,406	36,786,292	
$1,000,000 and over	167	141	41	70,300	76,049	28,332	804,638,823	560,618,083	124,586,041	265,510,798	188,567,777	34,453,258
$1,000,000 to $2,499,999	110	(3)	(3)	25,395	(3)	(3)	172,513,055	(3)	(3)	77,163,935	(3)	(3)
$2,500,000 to $4,999,999	26	(3)	(3)	11,260	(3)	(3)	91,734,576	(3)	(3)	37,809,636	(3)	(3)
$5,000,000 and over	31	(3)	(3)	33,645	(3)	(3)	540,331,192	(3)	(3)	150,537,227	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	3,231	4,937	131,099	140,342	$1,119,082,289	$873,944,774	$422,096,747	$324,597,395
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,355	1,209	110,925	110,856	1,007,994,680	707,408,302	371,038,513	258,834,823
Other forms of ownership or control (individual, partnership, etc.)	1,876	3,728	20,174	29,486	111,087,609	166,536,472	51,058,234	65,762,572
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	443	(1)	66,669	(1)	704,949,961	(1)	226,683,368	(1)
Independent (single-unit)	2,788	(1)	64,430	(1)	414,132,328	(1)	195,413,379	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR THE BALTIMORE INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	659,823	297,592	1,454	95,225	154	118,795	230	79,797	40	3,775	37,675	362,231	10,020	297,984
1927	579,713	275,434	1,454	104,461	99	85,621	301	80,473	63	4,879	30,373	304,279	7,815	244,733
1925	544,558	259,220	1,598	109,473	134	65,165	329	79,892	67	4,690	24,909	285,338	6,462	213,117
1919 [1]	406,637	251,606	2,191	149,756	96	27,350	567	65,493	222	9,007	15,654	155,031	5,325	158,780
1914 [1]	262,199	219,956	[2] 2,574	[2] 196,199	(3)	(3)	522	13,822	250	9,935	5,853	42,243	4,284	75,464
Baltimore Industrial Area (Baltimore County and the independent city of Baltimore)	503,520	215,243	824	63,041	117	76,231	70	74,815	9	1,156	29,834	288,277	7,212	238,001
Counties and city in which aggregate horsepower exceeded 25,000: 1929														
Allegany County	63,430	32,516	34	4,884	8	27,632					3,154	30,914	1,618	41,000
Baltimore County	204,729	159,044	457	20,772	19	63,629	29	73,555	6	1,088	2,096	50,685	4,723	206,468
Baltimore city	293,791	56,199	367	42,269	98	12,602	41	1,260	3	68	27,738	237,592	2,489	31,533

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES, AND FOR BALTIMORE CITY: 1929

COUNTY OR CITY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY OR CITY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	659,823	297,592	362,231	297,984	Frederick County	12,523	3,825	8,698	849
					Garrett County	466	405	61	
Allegany County	63,430	32,516	30,914	41,000	Harford County	2,800	1,743	1,057	5
Anne Arundel County	1,610	413	1,197	(2)	Howard County	6,891	5,380	1,511	[2] 1,848
Baltimore County	209,729	159,044	50,685	206,468	Kent County	1,028	864	164	6
Baltimore city (independent, not included in any county)	293,791	56,199	237,592	31,533	Montgomery County	3,264	467	2,797	15
Calvert County	272	272			Prince Georges County	680	246	434	
					Queen Annes County	1,082	779	303	
Caroline County	1,849	1,266	583	103	St. Marys County	619	600	19	
Carroll County	16,110	8,800	7,310	6,069	Somerset County	3,002	1,597	1,405	
Cecil County	4,706	3,800	906	685					
Charles County	172	130	42		Talbot County	2,069	1,410	659	
Dorchester County	3,904	2,273	1,631		Washington County	23,316	11,825	11,491	9,047
					Wicomico County	4,112	1,645	2,467	310
					Worcester County	2,398	2,093	305	46

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Item for Anne Arundel County combined with that for Howard County to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume 1, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	3,651,911	$14,808,815	3,160,249	2,878,753	2,093,235	1,568,418	1,734,662
Anthracite (tons, 2,240 pounds)	134,048	598,497	[3]	151,695	65,239	127,598	84,091
Bituminous (tons, 2,000 pounds)	3,501,777	14,210,318	[3]	2,708,855	2,020,167	1,425,508	1,640,480
Coke (tons, 2,000 pounds)	1,451,396	6,459,988	[4]	[4]	436,764	320,133	433,044
Fuel oils, including crude oils and gas oils (gallons) [5]	181,269,216	5,723,778	[4]	[4]	45,629,808	26,153,148	10,543,554
Gasoline and kerosene (gallons) [5]	307,815	49,742	[4]	[4]	1,394,568		
Gas, natural (M cubic feet)	92,540	47,153	[4]	[4]	1,270,991	1,102,357	1,281,303
Gas, manufactured (M cubic feet)	23,248,636	3,797,653	[4]	[4]			
Other fuels		533,640	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt hours)	463,644,743	6,369,143	[6]	[4]	[4]	[4]	[4]
		Cost	*Cost*	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 37,789,914	$32,985,203	[6]	$21,651,071	$7,725,083	$7,044,049

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other Industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	3,231	[3] 19,807	131,099	297,592	362,231	[3] $46,178,193	$148,835,163	$662,885,813	$34,099,729	$1,119,082,289	$422,096,747
Aircraft and parts	5	299	468		1,902	555,072	517,462	458,147	23,070	1,705,361	1,224,144
Awnings, tents, sails, and canvas covers	19	23	81		41	49,594	83,415	219,451	2,088	460,162	238,623
Bags, other than paper, not made in textile mills	9	19	137		113	41,922	95,413	1,527,221	4,116	1,931,493	400,156
Baking powders, yeast, and other leavening compounds	3	20	137	1,930	721	75,525	225,765	536,840	78,411	1,292,049	676,798
Baskets and rattan and willow ware, not including furniture	10	10	266	505	65	20,977	174,074	198,187	2,276	568,054	367,591
Beverages	69	106	519	393	2,454	272,162	686,157	1,368,674	114,592	3,956,862	2,473,596
Blacking, stains, and dressings	7	29	53	18	38	67,497	41,670	149,944	2,614	403,324	250,766
Bookbinding and blank-book making	13	19	261		191	60,667	263,677	176,938	8,283	678,644	493,423

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
Boots and shoes, other than rubber	13	210	2,239	360	1,175	$461,857	$1,981,327	$4,529,348	$51,197	$8,488,619	$3,908,074
Boxes, cigar, wooden	3	3	56	41	2	4,910	42,051	44,367	1,028	120,142	74,747
Boxes, paper, not elsewhere classified	29	133	1,301	1,205	1,373	351,739	1,012,701	2,814,974	63,639	5,145,429	2,266,816
Boxes, wooden, except cigar boxes	23	72	1,136	3,050	1,502	190,526	960,975	2,105,792	21,151	3,792,629	1,665,686
Bread and other bakery products	290	403	3,452	136	7,013	921,916	4,404,532	12,121,310	482,714	25,010,441	12,406,417
Brushes, other than rubber	8	129	806	1,481	140	298,977	745,359	2,263,804	21,300	3,944,304	1,659,200
Butter	5		2	24	181		1,739	54,909	1,132	68,167	12,126
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	8	15	141	78	30	30,514	61,152	314,444	5,607	494,458	174,407
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	264	563	6,059	8,934	4,247	991,728	3,184,522	19,381,067	291,291	30,283,185	10,610,827
Car and general construction and repairs, steam-railroad repair shops	19	449	7,504	8,419	16,257	1,221,753	12,168,198	14,121,552	509,550	28,021,053	13,389,951
Chemicals, not elsewhere classified	9	141	1,236	1,100	5,225	305,826	1,512,968	6,921,151	669,960	12,942,414	5,351,273
Cigars and cigarettes	20	44	553		84	73,850	391,139	853,968	5,798	1,775,675	915,919
Clay products (other than pottery) and non-clay refractories	23	95	1,076	1,725	5,694	208,085	1,154,630	2,631,344	562,781	5,612,657	2,418,532
Cleaning and polishing preparations	7	29	27		54	67,806	27,336	165,608	3,628	554,054	384,818
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	217	851	10,007	810	1,654	1,843,470	9,015,529	21,336,359	213,297	45,276,809	23,725,153
Clothing, men's, buttonholes	4	1	27		7	(4)	27,204	4,922	429	55,788	50,437
Clothing, women's, not elsewhere classified	80	298	3,769	20	802	853,220	3,153,128	8,500,880	64,350	16,685,638	8,120,208
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	11	82	679		181	142,480	641,364	3,458,407	12,589	5,028,953	1,557,957
Cloth sponging and refinishing	3	11	48		32	39,521	74,556	178	6,102	178,318	172,038
Coffee and spice, roasting and grinding	21	135	203		1,345	396,114	237,105	7,690,360	48,181	10,361,275	2,622,734
Concrete products	42	55	306	179	797	122,593	360,752	495,328	20,003	1,445,440	920,109
Condensed and evaporated milk	6	12	54	665	337	21,387	51,414	891,742	40,706	1,288,226	385,784
Confectionery	46	174	1,187	385	1,371	385,254	846,113	3,221,447	78,012	6,003,174	2,703,715
Cooperage	20	29	293	425	407	81,381	322,417	1,248,969	11,346	2,042,454	782,139
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	26	87	278	150	439	151,882	389,272	853,150	12,280	1,838,394	972,964
Cotton goods	9	150	1,901	4,125	9,169	340,080	1,570,859	4,825,285	252,787	8,447,031	3,368,959
Dyeing and finishing textiles	5	11	53		343	38,105	56,184	79,662	20,015	212,409	112,732
Electrical machinery, apparatus, and supplies	14	590	665		8,369	603,540	875,246	2,758,696	34,639	5,186,720	2,393,385
Electroplating	7	5	45		115	10,351	57,717	19,986	4,235	139,615	115,394
Embroideries	6	19	132		39	65,228	96,897	139,295	2,554	402,406	260,557
Engines, turbines, tractors, and water wheels	3	7	13	25	9	14,609	20,773	25,034	1,819	74,326	47,473
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	5	2	18		10	(4)	25,483	8,245	282	71,087	62,560
Engraving, steel and copperplate, and plate printing	6	10	47		48	19,314	45,936	24,229	1,071	125,638	100,338
Envelopes	4	17	92		150	49,592	98,075	284,932	5,869	584,040	293,239
Feeds, prepared, for animals and fowls	12	60	174	119	1,951	128,167	153,366	3,818,656	44,320	4,507,225	644,249
Fertilizers	39	572	2,855	1,306	23,739	1,402,342	2,819,099	16,202,772	472,300	25,506,620	8,771,548
Flavoring extracts and flavoring sirups	19	47	101	459	354	111,793	124,329	3,601,810	32,191	9,263,851	5,629,850
Flour and grain-mill products	96	83	259	3,207	3,465	140,258	275,443	6,475,741	98,367	8,194,194	1,620,086
Food preparations, not elsewhere classified	19	72	190	23	185	205,779	164,305	1,430,236	37,490	2,513,074	1,045,348
Foundry and machine-shop products, not elsewhere classified	121	995	4,735	1,204	18,113	2,779,238	6,464,776	10,069,405	478,794	26,515,394	15,967,195
Fur goods	23	19	105		29	52,272	121,917	495,484	3,758	830,829	331,587
Furnishing goods, men's, not elsewhere classified	44	231	4,634	330	956	585,493	2,718,839	8,061,408	68,121	15,598,981	7,469,452
Furniture, including store and office fixtures	64	334	2,409	355	6,455	706,792	2,804,551	6,011,633	126,981	12,206,890	6,068,276
Gas and electric fixtures; lamps, lanterns, and reflectors	6	10	26		82	19,355	28,445	56,926	1,708	150,675	92,041
Gas, manufactured, illuminating and heating	11	663	565	8,175	2,659	1,174,621	823,712	1,661,644	1,359,345	11,314,576	8,293,587
Glass	7	140	1,603	230	3,597	484,116	1,629,597	847,912	412,342	5,039,607	3,779,353
Glass products (except mirrors) made from purchased glass	9	13	64		23	21,021	74,385	95,136	6,732	224,068	122,200
Grease and tallow, not including lubricating greases	5	14	117	260	20	60,064	154,506	400,809	76,177	744,606	267,620
Hand stamps and stencils and brands	3		9		2		10,715	11,451		33,161	21,710
Hats and caps, except felt and straw, men's	15	24	99		25	46,758	108,921	292,548	2,591	642,256	347,117
House-furnishing goods, not elsewhere classified	9	34	140		99	60,164	111,208	654,274	3,429	1,008,116	350,413
Ice cream	51	100	333	121	4,890	320,624	455,151	2,596,144	134,590	6,017,606	3,286,872
Ice, manufactured	67	107	397	4,742	12,393	241,936	528,147	164,113	441,858	3,713,646	3,107,675
Jewelry	12	31	71		37	60,837	101,804	128,341	3,851	426,123	293,931
Knit goods	8	43	843	95	400	86,102	457,105	1,103,218	24,462	2,225,899	1,098,219
Leather goods, not elsewhere classified	6	15	61	25	22	34,133	46,906	106,815	1,965	244,928	136,148
Leather: Tanned, curried, and finished	4	49	541	1,475	443	249,251	541,014	3,283,945	58,519	5,674,094	2,331,630
Lime	6	29	256	1,430	1,833	64,487	173,934	265,884	87,967	589,522	295,571
Lithographing	11	192	805	250	1,516	522,753	1,193,844	1,750,551	43,951	4,915,873	3,121,371
Lubricating oils and greases, not made in petroleum refineries	7	73	59	5	171	136,946	85,616	1,685,004	7,848	2,388,724	695,872
Lumber and timber products, not elsewhere classified	98	42	810	2,952	825	136,657	664,755	929,356	9,025	2,488,683	1,550,302
Macaroni, spaghetti, vermicelli, and noodles	6	6	38		149	9,266	43,497	167,345	6,560	327,188	153,283
Marble, granite, slate, and other stone products	34	102	566	205	6,221	340,833	933,398	1,067,361	82,373	3,043,941	1,894,207
Mattresses and bed springs, not elsewhere classified	13	62	360	150	523	160,129	381,393	1,155,657	21,749	2,558,781	1,381,375
Meat packing, wholesale	44	489	1,753	1,859	4,854	932,448	2,356,573	38,815,846	243,071	46,215,184	7,156,267
Mirror and picture frames	8	27	219	150	192	58,156	188,612	282,605	7,417	722,055	432,033
Mirrors, framed and unframed	4	11	50		60	17,304	49,904	102,620	4,386	247,663	140,657
Models and patterns, not including paper patterns	10		35		99		54,456	27,215	816	130,147	102,116

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
Motor-vehicle bodies and motor-vehicle parts	13	18	165	-------	342	$32,303	$251,135	$212,389	$7,342	$607,398	$387,667
Nonferrous-metal alloys and products, not including aluminum products	23	624	1,872	40	22,106	935,595	2,491,104	29,535,168	483,972	38,507,719	8,488,579
Paints and varnishes	21	148	480	370	2,111	416,869	609,103	3,126,011	195,537	5,877,347	2,555,799
Paper	6	88	1,240	21,626	5,206	300,066	1,490,721	7,133,934	449,418	10,419,840	2,836,488
Patent or proprietary medicines and compounds	37	246	508	200	1,419	854,808	528,711	4,023,734	55,697	13,361,209	9,281,778
Paving materials: Asphalt, tar, crushed slag, and mixtures	3	11	52	-------	548	20,881	55,947	236,389	24,189	638,024	377,446
Perfumes, cosmetics, and other toilet preparations	16	36	87	-------	41	76,850	67,666	404,828	2,535	965,268	557,905
Petroleum refining	4	243	1,021	15,631	2,028	515,740	1,675,799	34,706,789	42,452	43,456,428	8,707,187
Photo-engraving, not done in printing establishments	7	38	127	-------	117	145,933	333,618	133,803	12,284	854,653	708,566
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	59	320	1,218	2,461	7,440	721,089	1,430,858	3,854,644	89,293	7,292,379	3,348,442
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	6	95	1,138	-------	9,446	203,062	1,337,912	1,216,419	227,560	4,812,014	3,368,035
Poultry killing, dressing, and packing, wholesale	4	5	32	-------	8	12,700	36,743	695,268	1,822	787,333	90,243
Printing and publishing, book and job	201	595	2,531	703	3,609	1,458,206	3,522,257	4,506,138	133,244	13,824,355	9,184,973
Printing and publishing, newspaper and periodical	91	1,780	1,595	10	3,351	3,695,855	2,901,400	4,328,140	127,887	16,659,239	12,203,212
Printing materials, not including type or ink	4	3	14	2	18	8,208	19,884	20,949	1,545	122,366	99,872
Regalia, badges, and emblems	5	11	48	-------	38	19,744	46,355	46,731	2,102	140,093	91,260
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	18	12	74	-------	466	27,949	115,691	1,358,194	21,153	1,899,206	519,859
Ship and boat building, steel and wooden, including repair work	24	181	2,312	63	12,629	479,710	3,381,397	2,548,511	162,247	8,310,347	5,599,589
Shirts	12	128	2,461	27	483	250,479	1,475,551	4,253,434	42,764	8,010,437	3,714,239
Signs and advertising novelties	21	89	610	322	159	268,967	744,110	755,367	58,124	2,657,074	1,843,583
Silk and rayon manufactures	6	34	869	-------	808	71,515	602,253	349,020	64,104	1,514,726	1,101,602
Silversmithing and silverware	4	43	244	-------	312	157,692	382,696	590,568	17,646	1,518,077	909,863
Stereotyping and electrotyping, not done in printing establishments	4	22	51	-------	211	79,827	80,880	34,697	7,333	287,871	245,841
Stoves and ranges (other than electric) and warm-air furnaces	7	191	564	-------	1,235	429,565	696,215	1,435,023	89,597	3,838,543	2,313,923
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	17	261	627	327	1,651	547,798	816,779	3,535,784	32,983	6,092,215	2,523,448
Surgical and orthopedic appliances, including artificial limbs	4	1	13	-------	11	(4)	17,483	10,965	294	46,035	34,776
Tin cans and other tinware, not elsewhere classified	22	504	4,555	1,106	6,604	1,148,273	4,611,223	25,487,336	247,539	38,402,438	12,667,563
Toys (not including children's wheel goods or sleds), games, and playground equipment	5	36	186	60	76	108,469	164,968	355,175	4,293	794,238	434,770
Trimmings (not made in textile mills) and stamped art goods for embroidering	8	8	65	-------	26	8,501	62,440	210,112	2,558	383,309	170,639
Trunks, suitcases, and bags	4	6	55	-------	27	6,589	53,774	110,053	1,278	237,237	125,906
Umbrellas, parasols, and canes	5	58	420	-------	53	135,485	283,974	1,550,749	6,013	2,355,923	799,161
Window and door screens and weather strip	6	19	62	-------	138	36,263	60,448	93,816	1,351	275,817	180,650
Window shades and fixtures	10	33	86	-------	22	85,575	107,757	818,890	4,862	1,304,173	480,421
Wirework, not elsewhere classified	18	77	378	25	616	236,394	357,934	1,054,613	21,658	2,575,333	1,499,062
Wood turned and shaped and other wooden goods, not elsewhere classified	7	12	99	100	391	21,609	106,871	176,107	6,223	358,660	176,330
Woolen goods	3	30	505	1,585	123	119,214	468,844	1,428,078	37,140	2,657,742	1,192,524
Other industries	214	3,755	32,126	187,583	107,844	9,739,291	42,892,461	279,931,886	23,249,620	428,316,126	125,134,620

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 1,454 employees of central administrative offices, with salaries aggregating $4,001,926. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR THE BALTIMORE INDUSTRIAL AREA AND FOR BALTIMORE CITY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR ALLEGANY COUNTY AND FOR BALTIMORE COUNTY: 1929

[This table presents, for the Baltimore Industrial Area and for Baltimore city, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the industries shown separately. The counties of Allegany and Baltimore are also industrially important, but no statistics by industries can be given for them, for the reasons stated in the explanatory notes]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BALTIMORE INDUSTRIAL AREA											
[This area comprises Baltimore County and Baltimore city. The totals for all industries do not include data for a few establishments located outside the area (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	2,211	16,558	99,601	215,243	288,277	$39,126,975	$119,016,754	$576,684,590	$30,152,824	$949,853,476	$343,016,062
Awnings, tents, sails, and canvas covers	16	20	74	-------	31	43,234	77,765	200,061	1,870	414,766	212,835
Bags, other than paper, not made in textile mills	9	19	137	-------	113	41,922	95,413	1,527,221	4,116	1,931,493	400,156
Baking powders, yeast, and other leavening compounds	3	20	137	1,930	721	75,525	225,765	536,840	78,411	1,292,049	676,798
Baskets and rattan and willow ware, not including furniture	3	-------	11	-------	1	----------	10,030	11,816	71	26,725	14,838
Beverages	39	92	397	393	2,215	243,097	536,293	980,680	97,439	2,966,545	1,888,426
Blacking, stains, and dressings	7	29	53	18	38	67,497	41,670	149,944	2,614	403,324	250,766
Bookbinding and blank-book making	13	19	261	-------	191	60,667	263,677	176,938	8,283	678,644	493,423
Boots and shoes, other than rubber	10	94	1,086	-------	544	226,781	1,097,518	2,156,079	31,483	4,165,197	1,977,635
Boxes, cigar, wooden	3	3	56	41	2	4,910	42,051	44,367	1,028	120,142	74,747
Boxes, paper, not elsewhere classified	25	110	1,103	25	1,250	309,354	801,356	2,571,452	44,642	4,689,420	2,064,326
Boxes, wooden, except cigar boxes	13	60	958	2,485	1,287	173,503	824,782	1,941,244	17,536	3,343,066	1,384,286
Bread and other bakery products	246	354	2,931	130	5,889	780,731	3,806,190	10,420,465	402,365	21,647,878	10,825,048
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	4	11	103	-------	25	29,816	47,080	233,305	4,457	364,481	126,719
Canning and preserving: Fruits and vegetables, pickles, jellies, preserves, and sauces	39	253	1,814	616	1,492	652,886	1,155,182	7,475,501	112,037	11,770,243	4,182,705
Chemicals, not elsewhere classified [1]	9	141	1,236	1,100	5,225	305,826	1,512,968	6,921,151	669,990	12,942,414	5,351,273
Cigars and cigarettes	16	44	540	-------	84	73,850	361,518	837,288	5,700	1,737,457	894,469
Clay products (other than pottery) and nonclay refractories	8	47	602	766	3,422	130,288	707,731	2,389,486	366,507	4,317,501	1,561,508
Cleaning and polishing preparations	7	29	27	-------	54	67,806	27,336	165,608	3,628	554,054	384,818
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	210	824	9,363	860	1,460	1,804,704	8,589,105	20,268,604	199,441	43,238,420	22,770,375
Clothing, men's, buttonholes	4	1	27	-------	7	(2)	27,204	4,922	429	55,788	50,457
Clothing, women's, not elsewhere classified	72	291	3,481	-------	720	843,818	3,013,407	8,499,480	60,200	16,516,450	7,956,770
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	8	76	567	-------	153	129,442	588,208	3,385,202	10,874	4,861,014	1,464,938
Cloth sponging and refinishing	3	11	48	-------	32	39,521	74,556	178	6,102	178,318	172,038
Coffee and spice, roasting and grinding	18	131	191	-------	1,293	387,621	223,617	7,514,721	45,825	10,141,066	2,580,520
Concrete products	20	41	210	44	591	99,239	264,011	368,119	15,182	1,091,949	708,648
Confectionery	43	172	1,178	355	1,353	382,654	839,703	3,201,639	75,931	5,943,774	2,666,204
Cooperage	8	27	262	385	384	78,881	297,292	1,125,511	11,046	1,865,045	728,488
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified [1]	26	87	278	150	439	151,882	389,272	853,150	12,280	1,838,394	972,964
Dyeing and finishing textiles [1]	5	11	53	-------	343	38,105	56,184	79,662	20,015	212,409	112,732
Electrical machinery, apparatus, and supplies [1]	14	590	665	-------	8,369	603,540	875,246	2,758,696	34,639	5,186,720	2,393,385
Electroplating	7	5	45	-------	115	10,351	57,717	19,986	4,235	139,615	115,394
Embroideries	6	19	132	-------	39	65,228	96,897	139,295	2,554	402,406	260,557
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	5	2	18	-------	10	(2)	25,483	8,245	282	71,087	62,560
Engraving steel and copperplate, and plate printing	6	10	47	-------	48	19,314	45,936	24,229	1,071	125,638	100,338
Envelopes	4	17	92	-------	150	49,592	98,075	284,932	5,869	584,040	293,239
Feeds, prepared, for animals and fowls	6	31	92	112	843	58,217	77,892	1,088,884	17,713	1,359,748	253,151
Fertilizers	17	479	2,596	1,075	22,591	1,236,946	2,630,185	14,377,097	455,701	22,500,588	7,667,790
Flavoring extracts and flavoring sirups	19	47	101	450	354	111,793	124,829	3,601,810	32,191	9,263,851	5,629,850
Flour and other grain-mill products	8	7	9	97	102	6,818	8,540	161,366	3,352	231,726	67,008
Food preparations, not elsewhere classified	15	71	182	23	177	203,187	156,426	1,402,139	35,964	2,442,301	1,004,198
Foundry and machine-shop products, not elsewhere classified	102	797	4,062	974	14,960	2,283,820	5,478,583	8,600,957	396,647	22,423,931	13,426,357
Fur goods	23	19	105	-------	29	52,272	121,917	495,484	3,778	830,829	331,567
Furnishing goods, men's, not elsewhere classified	24	208	3,711	330	798	547,953	2,297,903	7,470,701	47,773	14,329,054	6,810,580
Furniture, including store and office fixtures	55	253	1,850	100	4,555	547,671	2,298,071	5,275,507	88,605	10,350,312	4,986,200
Gas and electric fixtures; lamps, lanterns, and reflectors	6	10	26	-------	82	19,355	28,445	56,926	1,708	150,675	92,041
Glass [1]	7	140	1,603	230	3,597	484,116	1,629,597	847,912	412,342	5,039,607	3,779,353
Glass products (except mirrors) made from purchased glass	9	13	64	-------	23	21,021	74,385	95,136	6,732	224,068	122,200
Hand stamps and stencils and brands	3	-------	9	-------	2	----------	10,715	11,451	----------	33,161	21,710
Hats and caps, except felt and straw, men's	15	24	99	-------	25	46,758	108,921	292,548	2,591	642,256	347,117
House-furnishing goods, not elsewhere classified	9	34	140	-------	99	60,164	111,268	654,274	3,429	1,008,116	350,413
Ice cream	29	69	186	40	3,667	253,688	259,578	2,000,231	78,657	4,586,249	2,507,361
Ice, manufactured	22	63	183	2,125	8,176	185,135	272,177	76,419	284,770	2,594,850	2,233,661
Jewelry	12	31	71	-------	37	60,857	101,804	128,341	3,851	426,123	293,931
Lithographing	11	192	805	250	1,516	522,753	1,193,844	1,750,551	43,931	4,915,873	3,121,371
Lubricating oils and greases, not made in petroleum refineries	7	73	59	5	171	136,946	85,616	1,685,004	7,848	2,388,724	695,872
Marble, granite, slate, and other stone products	25	73	401	105	3,790	257,822	621,025	773,989	47,362	2,122,938	1,301,587
Mattresses and bed springs, not elsewhere classified [1]	13	62	360	120	523	160,129	381,393	1,155,657	21,749	2,558,781	1,381,375
Meat packing, wholesale	40	480	1,715	1,833	4,342	914,320	2,310,121	37,915,183	226,424	45,147,536	7,007,899
Mirror and picture frames	8	27	219	150	192	58,156	188,612	282,605	7,417	722,055	432,033
Mirrors, framed and unframed	4	11	50	-------	60	17,304	49,904	102,620	4,386	247,663	140,657
Models and patterns, not including paper patterns	10	-------	35	-------	99	----------	54,456	27,215	816	130,147	102,116
Motor-vehicle bodies and motor-vehicle parts [1]	13	18	165	-------	342	32,303	251,135	212,389	7,342	607,398	387,667
Nonferrous-metal alloys and products, not including aluminum products	23	624	1,872	40	22,106	935,595	2,491,104	29,535,168	483,972	38,507,719	8,488,579

See footnotes at end of this section, p. 224.

TABLE 13.—GENERAL STATISTICS FOR THE BALTIMORE INDUSTRIAL AREA AND FOR BALTIMORE CITY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR ALLEGANY COUNTY AND FOR BALTIMORE COUNTY: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
BALTIMORE INDUSTRIAL AREA—Continued											
Paints and varnishes	21	148	480	370	2,111	$416,869	$909,103	$3,126,011	$195,537	$5,877,347	$2,555,799
Paving materials: Asphalt, tar, crushed slag, and mixtures	3	11	52	-------	548	20,881	55,947	236,389	24,189	638,024	377,446
Petroleum refining	4	243	1,021	15,631	2,028	515,740	1,675,799	34,706,789	42,452	43,456,428	8,707,187
Photo-engraving, not done in printing establishments	7	38	127	-------	117	145,933	333,618	133,803	12,284	854,653	708,566
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	34	167	760	1,501	4,726	393,238	932,384	2,490,570	48,831	4,561,850	2,022,449
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	6	95	1,138	-------	9,446	203,062	1,337,912	1,216,419	227,560	4,812,014	3,368,035
Poultry killing, dressing, and packing, wholesale	4	5	32	-------	8	12,700	36,743	695,268	1,822	747,333	90,243
Printing and publishing, book and job	179	565	2,400	701	3,456	1,411,939	3,372,290	4,311,289	125,227	13,275,086	8,838,570
Printing and publishing, newspaper and periodical	41	1,515	1,230	-------	2,728	3,247,847	2,294,091	3,924,095	98,025	14,302,919	10,280,799
Printing materials, not including type or ink	4	3	14	2	18	8,208	19,884	20,949	1,545	122,366	99,872
Regalia, badges, and emblems	5	11	48	-------	38	19,744	46,555	46,731	2,102	140,093	91,260
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [1]	18	12	74	-------	466	27,949	115,691	1,358,194	21,153	1,899,206	519,859
Ship and boat building, steel and wooden, including repair work	11	162	2,090	-------	12,078	439,382	3,119,412	2,268,645	156,688	7,666,804	5,241,471
Shirts	16	82	1,120	-------	222	187,085	782,266	3,293,781	20,616	5,930,011	2,615,614
Signs and advertising novelties [1]	21	89	610	322	159	268,967	744,110	755,367	58,124	2,657,074	1,843,583
Silversmithing and silverware	4	43	244	-------	312	157,692	382,696	500,568	17,646	1,518,077	909,863
Stereotyping and electrotyping, not done in printing establishments	4	22	51	-------	211	79,827	80,880	34,697	7,333	287,871	245,841
Stoves and ranges (other than electric) and warm-air furnaces [1]	7	191	564	-------	1,235	429,565	696,215	1,435,023	89,597	3,838,543	2,313,923
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	17	261	627	327	1,651	547,798	816,779	3,535,784	32,983	6,092,215	2,523,448
Surgical and orthopedic appliances, including artificial limbs	4	1	13	-------	11	(2)	17,483	10,965	294	46,035	34,776
Tin cans and other tinware, not elsewhere classified	18	473	4,392	1,106	6,280	1,097,901	4,473,862	23,697,014	234,637	35,624,777	11,693,126
Trimmings (not made in textile mills) and stamped art goods for embroidering	8	8	65	-------	26	8,501	62,440	210,112	2,558	383,309	170,639
Trunks, suitcases, and bags	4	6	55	-------	27	6,589	53,774	116,053	1,278	237,237	125,906
Umbrellas, parasols, and canes	5	58	420	-------	53	135,485	283,974	1,550,749	6,013	2,355,923	799,161
Window shades and fixtures	10	33	86	-------	22	85,575	167,757	818,890	4,802	1,304,173	480,421
Wirework, not elsewhere classified [1]	18	77	378	25	616	236,394	357,934	1,054,613	21,658	2,575,333	1,499,062
Other industries [3]	291	4,764	33,107	177,871	111,023	11,928,795	45,819,788	277,994,823	23,762,138	428,203,690	126,446,729

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for the following numbers of establishments located outside the area have been included in the items for the area, to avoid disclosing the data reported by those establishments: Chemicals, not elsewhere classified, 1; copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified, 2; dyeing and finishing textiles, 1; electrical machinery, apparatus, and supplies, 1; glass, 2; mattresses and bed springs, not elsewhere classified, 2; motor-vehicle bodies and motor-vehicle parts, 2; sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments, 2; signs and advertising novelties, 1; stoves and ranges (other than electric) and warm-air furnaces, 1; wirework, not elsewhere classified, 2.
[2] Withheld to avoid disclosing compensation of individual officers or employees, included in item for "Other industries."
[3] The figures for "Other industries" include data for the "Iron and steel: Steel works and rollings mills" industry, which reported a larger number of wage earners than any other industry in the area, and for the "Smelting and refining, copper" industry, which reported a larger value of products than any other industry in the area. Separate figures can not be given for either of these industries without disclosing approximations of the data for individual establishments.

BALTIMORE CITY (INDEPENDENT, NOT INCLUDED IN ANY COUNTY)

[The totals for all industries do not include data for a few establishments located outside the city (see footnote 4), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	2,140	15,030	85,655	56,199	237,592	$35,319,642	$96,384,335	$503,008,745	$18,930,311	$814,782,197	$292,843,141
Awnings, tents, sails, and canvas covers	16	20	74	-------	31	43,234	77,765	200,061	1,870	414,766	212,835
Bags, other than paper, not made in textile mills	9	19	137	-------	113	41,922	95,413	1,527,221	4,116	1,931,493	400,156
Baking powders, yeast, and other leavening compounds	3	20	137	1,930	721	75,525	225,765	536,840	78,411	1,292,049	676,798
Baskets and rattan and willow ware, not including furniture	3	-------	11	-------	1	----------	10,030	11,816	71	26,725	14,838
Beverages	36	88	369	393	2,179	237,267	498,325	932,806	93,508	2,814,671	1,788,357
Blacking, stains, and dressings	7	29	53	18	38	67,497	41,670	149,944	2,614	403,324	250,766
Bookbinding and blank-book making	13	19	261	-------	191	60,667	263,677	176,938	8,283	678,644	493,423
Boots, and shoes, other than rubber	10	94	1,086	-------	544	226,781	1,097,518	2,156,079	31,483	4,165,197	1,977,635
Boxes, cigar, wooden	3	3	56	41	2	4,910	42,051	44,367	1,028	120,142	74,747
Boxes, paper, not elsewhere classified	25	110	1,103	25	1,250	309,354	891,356	2,571,452	44,642	4,680,420	2,064,326
Bread and other bakery products	237	348	2,885	130	5,797	769,907	3,749,348	10,249,202	395,440	21,312,457	10,667,815
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	4	11	103	-------	25	29,816	47,080	233,305	4,457	364,481	126,719
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces [4]	39	253	1,814	616	1,492	652,586	1,155,182	7,475,501	112,037	11,770,243	4,182,705
Chemicals, not elsewhere classified [4]	9	141	1,236	1,100	5,225	305,826	1,512,968	6,921,151	669,990	12,942,414	5,351,273
Cigars and cigarettes	16	44	540	-------	84	73,850	381,518	837,288	5,700	1,737,457	894,469
Clay products (other than pottery) and nonclay refractories [4]	8	47	602	766	3,422	130,288	707,731	2,389,486	366,507	4,317,501	1,561,508
Cleaning and polishing preparations	7	29	27	-------	54	67,806	27,336	165,608	3,628	554,054	384,818

See footnotes at end of this section, p. 10.

TABLE 13.—GENERAL STATISTICS FOR THE BALTIMORE INDUSTRIAL AREA AND FOR BALTIMORE CITY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR ALLEGANY COUNTY AND FOR BALTIMORE COUNTY: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
BALTIMORE CITY (INDEPENDENT, NOT INCLUDED IN ANY COUNTY)—Continued											
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	210	824	9,363	860	1,460	$1,804,704	$8,589,105	$20,268,604	$199,441	$43,238,420	$22,770,375
Clothing, men's, buttonholes	4	1	27	-------	7	(c)	27,204	4,922	429	55,788	50,437
Clothing, women's, not elsewhere classified [4]	72	291	3,481	-------	720	843,818	3,013,407	8,499,480	60,200	16,516,450	7,956,770
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	8	76	567	-------	153	129,442	588,208	3,385,202	10,874	4,861,014	1,464,938
Cloth sponging and refinishing	3	11	48	-------	32	39,521	74,556	178	6,102	178,318	172,038
Coffee and spice, roasting and grinding	18	131	191	-------	1,293	387,621	223,617	7,514,721	45,825	10,141,066	2,580,520
Concrete products	14	38	182	29	527	92,408	234,281	328,123	14,120	981,072	638,829
Confectionery	43	172	1,178	355	1,353	382,654	839,703	3,201,639	75,931	5,943,774	2,666,204
Cooperage	8	27	262	385	384	78,881	297,292	1,125,511	11,046	1,865,045	728,488
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified [4]	26	87	278	150	439	151,882	389,272	853,150	12,280	1,838,394	972,964
Electrical machinery, apparatus, and supplies [4]	14	590	665	-------	8,369	603,540	875,246	2,758,696	34,639	5,186,720	2,393,385
Electroplating	7	5	45	-------	115	10,351	57,717	19,986	4,235	139,615	115,394
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	5	2	18	-------	10	(c)	25,483	8,245	282	71,087	62,560
Engraving, steel and copperplate, and plate printing	6	10	47	-------	48	19,314	45,936	24,229	1,071	125,638	100,338
Envelopes	4	17	92	-------	150	49,592	98,075	284,932	5,869	584,040	293,239
Feeds, prepared, for animals and fowls	6	31	92	112	843	58,217	77,892	1,088,884	17,713	1,359,748	253,151
Fertilizers [4]	17	479	2,596	1,075	22,591	1,236,946	2,630,185	14,377,097	455,701	22,500,588	7,667,790
Flavoring extracts and flavoring sirups	19	47	101	450	354	111,793	124,829	3,601,810	32,191	9,263,851	5,629,850
Flour and other grain-mill products	5	7	6	27	102	6,818	6,404	132,866	3,352	191,853	55,635
Food preparations, not elsewhere classified	15	71	182	23	177	203,187	156,426	1,402,139	35,964	2,442,301	1,004,198
Foundry and machine-shop products, not elsewhere classified [4]	102	797	4,002	974	14,960	2,273,820	5,478,583	8,600,957	396,647	22,423,931	13,426,327
Fur goods	23	19	105	-------	29	52,272	121,917	495,484	3,758	830,829	331,587
Furnishing goods, men's, not elsewhere classified	24	208	3,711	330	798	547,053	2,297,903	7,470,701	47,773	14,329,054	6,810,580
Furniture, including store and office fixtures [4]	55	253	1,850	100	4,555	547,671	2,298,071	5,275,507	88,605	10,350,312	4,986,200
Gas and electric fixtures; lamps, lanterns, and reflectors	6	10	26	-------	82	19,355	28,445	56,926	1,708	150,675	92,041
Glass [4]	7	140	1,603	230	3,597	484,116	1,629,597	847,912	412,342	5,039,607	3,779,353
Glass products (except mirrors) made from purchased glass	9	13	64	-------	23	21,021	74,385	95,136	6,732	224,068	122,200
Hand stamps and stencils and brands	3	-------	9	-------	2	----------	10,715	11,451	----------	33,161	21,710
Hats and caps, except felt and straw, men's	15	24	99	-------	25	46,758	108,921	292,548	2,591	642,256	347,117
House-furnishing goods, not elsewhere classified	9	34	140	-------	99	60,164	111,208	654,274	3,429	1,008,116	350,413
Ice cream	26	68	184	40	3,656	252,788	257,718	1,988,431	78,103	4,562,149	2,495,615
Ice, manufactured	18	60	172	2,015	7,788	182,135	260,710	74,454	270,367	2,324,798	2,179,977
Jewelry	12	31	71	-------	37	60,837	101,804	128,341	3,851	426,123	293,931
Lithographing	11	192	805	250	1,516	522,753	1,193,844	1,750,551	43,951	4,915,873	3,121,371
Lubricating oils and greases, not made in petroleum refineries	7	73	59	5	171	136,946	85,616	1,685,004	7,848	2,388,724	695,872
Marble, granite, slate, and other stone products	21	71	379	20	3,359	250,412	584,165	743,611	41,870	2,023,616	1,238,135
Mattresses and bed springs, not elsewhere classified [4]	13	62	360	150	523	160,129	381,393	1,155,657	21,749	2,558,781	1,381,375
Meat packing, wholesale [4]	40	480	1,715	1,833	4,342	914,320	2,310,121	37,913,183	226,454	45,147,536	7,007,899
Mirror and picture frames	8	27	219	150	192	58,156	188,612	282,605	7,417	722,055	432,033
Mirrors, framed and unframed	4	11	50	-------	60	17,304	49,904	102,620	4,386	247,663	140,657
Models and patterns, not including paper patterns	10	-------	35	-------	99	----------	54,456	27,215	816	130,147	102,116
Motor-vehicle bodies and motor-vehicle parts [4]	13	18	165	-------	342	32,303	251,135	212,389	7,342	607,398	387,667
Nonferrous-metal alloys and products, not including aluminum products	23	624	1,872	40	22,106	935,595	2,491,104	29,535,168	483,972	38,507,719	8,488,579
Paints and varnishes	21	148	480	370	2,111	416,869	609,103	3,126,011	195,537	5,877,347	2,555,799
Photo-engraving, not done in printing establishments	7	38	127	-------	117	145,933	333,618	133,803	12,284	854,653	708,566
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	34	167	700	1,501	4,726	393,238	932,384	2,490,570	48,831	4,561,850	2,022,449
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	6	95	1,138	-------	9,446	203,062	1,337,912	1,216,419	227,560	4,812,014	3,368,035
Poultry killing, dressing, and packing, wholesale	4	5	32	-------	8	12,700	36,743	695,268	1,822	787,333	90,243
Printing and publishing, book and job	179	565	2,400	701	3,456	1,411,939	3,372,290	4,311,289	125,227	13,275,086	8,838,570
Printing and publishing, newspaper and periodical [4]	41	1,515	1,230	-------	2,728	3,247,847	2,394,091	3,924,095	98,025	14,302,919	10,280,799
Printing materials, not including type or ink	4	3	14	2	18	8,208	19,884	20,949	1,545	122,366	99,872
Regalia, badges, and emblems	5	11	48	-------	38	19,744	46,555	46,731	2,102	140,093	91,260
Sausage, meat puddings, head cheese, etc., and sausage casings, not made in meat-packing establishments [4]	18	12	74	-------	466	27,949	115,691	1,358,194	21,153	1,899,206	519,859
Ship and boat building, steel and wooden, including repair work [4]	11	162	2,090	-------	12,078	439,382	3,119,412	2,208,645	156,688	7,666,804	5,241,471
Shirts	16	82	1,120	-------	222	187,085	782,206	3,293,781	20,616	5,930,011	2,615,614
Signs and advertising novelties [4]	21	89	610	322	159	208,967	744,110	755,367	58,124	2,057,074	1,343,583

See footnotes at end of this section, p. 226.

TABLE 13.—GENERAL STATISTICS FOR THE BALTIMORE INDUSTRIAL AREA AND FOR BALTIMORE CITY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR ALLEGANY COUNTY AND FOR BALTIMORE COUNTY: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
BALTIMORE CITY (INDEPENDENT, NOT INCLUDED IN ANY COUNTY)—Continued											
Silversmithing and silverware	4	43	244	-------	312	$157,692	$382,696	$590,568	$17,646	$1,518,077	$909,863
Stereotyping and electrotyping, not done in printing establishments	4	22	51	-------	211	79,827	80,880	34,697	7,333	287,871	245,841
Stoves and ranges (other than electric and warm-air) furnaces [4]	7	191	564	-------	1,235	429,565	696,215	1,435,023	89,597	3,838,543	2,313,923
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	17	261	627	327	1,651	547,798	816,779	3,535,784	32,983	6,092,215	2,523,448
Surgical and orthopedic appliances, including artificial limbs	4	1	13	-------	11	[c]	17,483	10,965	294	46,035	34,776
Tin cans and other tinware, not elsewhere classified	18	473	4,392	1,106	6,280	1,097,901	4,473,862	23,697,014	234,637	35,624,777	11,693,126
Trimmings (not made in textile mills) and stamped art goods for embroidering	8	8	65	-------	26	8,501	62,440	210,112	2,558	383,309	170,639
Trunks, suitcases, and bags	4	6	55	-------	27	6,589	53,774	110,053	1,278	237,237	125,906
Umbrellas, parasols, and canes	5	58	420	-------	53	135,485	283,974	1,550,749	6,013	2,355,923	799,161
Window shades and fixtures	10	33	86	-------	22	85,575	107,757	818,890	4,862	1,304,173	480,421
Wirework, not elsewhere classified	15	65	297	25	479	195,079	300,690	936,407	18,129	2,312,315	1,357,779
Other industries	296	3,656	21,765	37,570	66,164	9,120,725	26,309,524	242,145,220	12,723,162	343,205,627	88,337,245

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[4] The figures for the following numbers of establishments located outside the city have been included in the items for the city, to avoid disclosing the data reported by those establishments: Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces, 2; chemicals, not elsewhere classified, 1; clay products (other than pottery) and nonclay refractories, 2; clothing, women's, not elsewhere classified, 1; copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified, 2; electrical machinery, apparatus, and supplies, 1; fertilizers, 1; foundry and machine-shop products, not elsewhere classified, 1; furniture, including store and office fixtures, 1; glass, 2; mattresses and bed springs, not elsewhere classified, 2; meat packing, wholesale, 1; motor-vehicle bodies and motor-vehicle parts, 2; printing and publishing, newspaper and periodical, 3; sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments, 2; ship and boat building, steel and wooden, including repair work, 1; signs and advertising novelties, 1; stoves and ranges (other than electric) and warm-air furnaces, 1.

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

ALLEGANY COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Rubber tires and inner tubes"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	80	903	9,940	32,516	30,914	$2,281,971	$11,852,910	$28,943,616	$1,405,784	$63,188,523	$32,839,123

BALTIMORE COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	71	1,528	13,946	159,044	50,685	$3,807,333	$22,632,419	$73,675,845	$11,222,513	$135,071,279	$50,172,921

MASSACHUSETTS

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	9,872	557,494	2,068,521	984,302	1,084,219	$694,805,312	$1,681,432,788	$1,608,241,295	$73,191,493	$3,392,162,237	$1,710,729,449
1927	10,037	578,068	2,130,503	1,107,992	1,022,511	705,929,549	1,678,812,411	1,598,573,556	80,238,855	3,317,851,888	1,639,039,477
1925	10,027	591,438	2,013,017	1,124,304	888,713	716,155,593	1,773,697,884	(4)	(4)	3,405,672,159	1,631,974,275
1923	10,519	667,172	1,931,787	1,131,422	800,365	799,363,111	1,835,013,447	(4)	(4)	3,570,543,265	1,735,529,818
1921	9,994	579,071	(5)	(5)	(5)	641,360,936	1,441,035,230	(4)	(4)	2,849,413,516	1,408,378,286
1919	11,906	713,836	1,716,982	1,165,461	551,521	766,623,337	2,260,713,036	2,188,353,757	72,359,279	4,011,181,532	1,750,468,496
1914	12,013	606,698	1,380,912	1,180,573	200,339	341,309,517	931,383,793	898,876,555	32,507,238	1,641,373,047	709,989,254
1909	11,684	584,559	1,150,434	1,040,438	109,996	301,173,464	830,764,943	804,947,814	25,817,129	1,490,529,386	659,764,443
1904	10,723	488,399	912,442	885,369	27,073	232,388,946	626,410,431	609,176,689	17,233,742	1,124,092,051	497,681,620
1899	10,929	438,234	777,476	764,067	13,409	195,278,276	498,655,033	(6)	(6)	907,626,439	408,971,406
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	−1.6	−3.6	−2.9	−11.2	6.0	−1.6	0.2	0.6	−8.8	2.2	4.4
1925–1927	0.1	−2.3	5.8	−1.5	15.1	−1.4	−5.3			−2.6	0.4
1923–1925	−4.7	−11.4	4.2	−0.6	11.0	−10.4	−3.3			−4.6	−6.0
1921–1923	5.3	15.2				24.6	27.3			25.3	23.2
1919–1921	−16.1	−18.9				−16.3	−36.3			−29.0	−19.5
1919–1929	−17.1	−21.9	20.5	−15.5	96.6	−9.4	−25.6	−26.5	1.2	−15.4	−2.3
1909–1919	1.9	22.1	49.2	12.0	401.4	154.5	172.1	171.9	180.3	169.1	165.3
1899–1909	6.9	33.4	48.0	36.2	720.3	54.2	66.6			64.2	61.3

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	4,249,614	9,872	557,494	2,068,521	$694,805,312	$1,681,432,788	$1,608,241,295	$73,191,493	$3,392,162,237	$1,710,729,449
Industrial Areas										
Boston Area [3]	2,611,926	6,394	285,652	936,457	371,694,731	976,548,955	938,556,995	37,991,960	1,950,417,516	973,868,561
Providence-Fall River-New Bedford Area, [4] total	904,606	2,289	184,895	738,958	203,018,932	461,574,885	441,018,808	20,556,077	898,409,509	436,834,624
Portion in Massachusetts	364,590	794	76,620	359,701	77,369,310	167,980,537	159,310,783	8,669,754	319,685,864	151,705,327
Portion in Rhode Island	540,016	1,495	108,275	379,257	125,649,622	293,594,348	281,708,025	11,886,323	578,723,645	285,129,297
Worcester Area (coextensive with Worcester County) [4]	491,242	1,144	83,620	306,677	105,059,701	218,708,265	206,949,187	11,759,078	462,225,239	243,516,974
Springfield-Holyoke Area (coextensive with Hampden County)	335,496	667	54,208	252,013	70,847,652	161,360,511	153,765,332	7,595,179	341,184,468	179,823,957
Counties in Massachusetts										
Barnstable	32,305	27	225	1,242	188,606	351,160	321,896	29,264	765,522	414,362
Berkshire	120,700	177	20,115	81,423	25,724,498	51,234,879	47,811,812	3,423,067	110,935,084	59,700,205
Bristol [5]	364,590	794	76,620	359,701	77,369,310	167,980,537	159,310,783	8,669,754	319,685,864	151,705,327
Essex [3]	498,040	1,397	83,897	323,556	105,899,366	234,030,811	225,287,988	8,742,823	453,552,485	229,521,674
Franklin	49,612	124	5,419	39,785	6,827,763	12,381,238	11,419,590	961,648	30,604,228	18,222,990
Hampden (coextensive with Springfield-Holyoke Area)	335,496	667	54,208	252,013	70,847,652	161,360,511	153,765,332	7,595,179	341,184,468	179,823,957
Hampshire	72,801	131	9,604	47,253	9,775,450	23,856,849	22,752,390	1,104,459	46,162,075	22,305,226
Middlesex [3]	934,924	1,642	97,269	343,645	121,268,881	358,290,536	339,147,209	19,143,327	681,335,680	323,045,144
Norfolk [3]	299,426	461	22,523	88,590	30,742,379	81,244,525	78,446,369	2,798,156	162,980,063	81,735,538
Plymouth [5]	162,311	405	22,600	43,519	27,264,410	68,966,773	67,331,779	1,634,994	130,048,112	61,081,339
Suffolk [3]	879,536	2,894	81,963	180,666	113,784,105	302,983,083	295,675,429	7,307,654	642,549,288	339,566,205
Worcester (coextensive with Worcester Area) [4]	491,242	1,144	83,620	306,677	105,059,701	218,708,265	206,949,187	11,759,078	462,225,239	243,516,974
All other counties (Dukes and Nantucket) [7]	8,631	9	31	451	53,791	43,621	21,531	22,090	134,129	90,508

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Cities in Massachusetts having 10,000 inhabitants or more[3]										
Adams	12,697	20	2,922	13,937	$2,930,069	$4,499,979	$3,957,502	$542,477	$9,767,988	$5,268,009
Amesbury	11,899	35	3,658	6,458	5,130,146	10,171,928	9,850,745	321,183	18,852,548	8,680,620
Arlington	36,094	25	273	997	456,500	925,557	704,911	220,646	2,249,152	1,323,595
Athol	10,677	36	2,493	4,633	2,932,858	4,570,263	4,383,268	186,995	12,966,637	8,396,374
Attleboro	21,769	137	5,252	10,325	6,919,747	14,784,776	14,416,430	368,346	30,002,824	15,218,048
Belmont	21,748	8	62	78	90,657	83,013	79,884	3,129	282,878	199,865
Beverly	25,086	49	3,939	8,939	5,740,972	3,271,723	3,087,547	184,176	13,097,891	9,826,168
Boston[4]	781,188	2,734	75,907	155,843	105,794,127	284,098,686	277,536,628	6,562,058	603,711,473	319,612,787
Braintree	15,712	20	1,388	2,768	1,687,127	3,391,952	3,223,040	168,912	6,934,770	3,542,818
Brockton	63,797	244	12,646	15,813	15,457,790	37,149,156	36,365,559	783,597	68,434,380	31,285,224
Brookline	47,490	20	435	221	438,573	852,043	834,504	17,539	1,997,019	1,144,976
Cambridge[5]	113,643	391	21,328	56,397	27,438,962	86,714,088	83,327,634	2,786,454	183,609,785	96,895,697
Chelsea	45,816	125	5,288	18,652	6,883,400	11,887,364	11,344,563	542,801	27,451,639	15,564,275
Chicopee	45,930	52	9,342	55,814	12,606,569	40,327,779	38,936,964	1,390,815	70,918,987	30,591,208
Clinton	12,817	22	2,760	6,142	3,117,417	7,201,738	6,953,358	248,380	13,988,188	6,786,450
Danvers	12,957	16	1,023	3,205	1,147,378	2,547,468	2,471,129	76,339	5,283,076	2,735,608
Dedham	15,136	13	336	2,468	364,497	560,399	498,754	61,645	1,369,156	808,757
Easthampton	11,323	16	3,494	22,803	3,417,286	12,773,413	12,332,058	441,355	20,377,395	7,603,982
Everett	48,424	115	6,375	37,012	9,991,027	45,661,435	37,473,806	8,187,629	78,080,978	32,419,543
Fairhaven	10,951	10	438	1,014	558,383	1,060,769	1,018,051	42,718	2,075,568	1,014,799
Fall River[6]	115,274	232	26,143	143,658	23,254,550	60,741,855	57,646,531	3,095,324	103,793,738	43,051,883
Fitchburg	40,692	109	6,579	38,554	8,073,729	23,903,276	22,911,068	1,892,208	43,305,299	19,402,023
Framingham	22,210	50	3,694	24,006	5,293,942	12,506,647	11,846,930	659,717	22,956,876	10,450,229
Gardner	19,399	76	4,295	8,658	5,168,514	7,866,510	7,605,256	261,254	19,348,877	11,482,367
Gloucester	24,204	81	2,264	6,286	2,908,882	7,667,101	7,405,081	262,020	14,344,865	6,677,764
Greenfield	15,500	41	1,730	5,221	2,273,789	2,346,221	2,125,820	220,401	8,890,205	6,543,984
Haverhill	48,710	289	8,284	13,871	10,376,390	24,786,707	23,919,682	867,025	45,411,654	20,624,947
Holyoke	56,537	155	13,770	73,030	16,399,414	37,422,212	35,612,911	1,809,301	76,267,821	38,845,609
Lawrence	85,068	169	23,105	150,436	26,937,739	72,643,484	69,065,974	2,977,510	126,375,727	54,332,243
Leominster	21,810	75	5,193	10,052	5,396,345	9,396,638	8,983,245	413,393	22,574,851	13,178,213
Lowell[6]	100,234	217	17,097	63,139	17,100,365	35,100,778	33,542,487	1,558,291	69,592,907	34,492,129
Lynn	102,320	357	20,520	52,388	28,571,538	47,999,853	46,549,635	1,450,218	119,829,261	71,829,408
Malden	58,036	101	3,986	11,475	4,152,004	12,259,757	11,360,847	898,910	26,002,931	13,743,174
Marlborough	15,587	31	3,017	2,315	3,276,592	6,615,823	6,520,752	95,071	12,072,969	5,457,146
Medford	59,714	58	1,340	3,190	1,727,601	5,744,579	5,565,447	179,132	9,973,506	4,228,927
Melrose	23,170	25	315	1,998	343,320	1,080,124	1,045,517	34,607	2,532,272	1,452,148
Methuen	21,069	27	1,542	10,213	1,480,122	5,597,029	5,462,573	134,456	8,321,280	2,724,251
Milford	14,741	27	1,552	3,811	1,775,817	3,726,747	3,569,474	157,273	6,488,818	2,762,071
Milton	16,434	7	31	102	37,275	60,095	56,531	3,564	214,995	154,900
Natick	13,589	33	774	1,732	873,777	2,577,327	2,490,094	87,233	4,826,584	2,249,257
Needham	10,845	26	325	454	319,329	1,022,321	985,082	37,239	2,142,934	1,120,613
New Bedford[6]	112,597	192	32,113	156,294	31,804,533	62,127,390	58,670,462	3,456,928	121,696,324	59,568,934
Newburyport	15,084	57	3,186	4,776	3,368,051	6,475,794	6,272,878	202,916	13,337,437	6,861,643
Newton	65,276	65	3,213	9,384	3,865,832	6,627,949	6,369,972	257,977	17,062,681	10,434,732
North Adams	21,621	42	4,139	16,595	4,904,346	14,167,942	13,459,075	708,867	24,009,330	9,841,388
Northampton	24,381	49	2,812	8,401	3,513,386	5,414,699	5,125,348	289,351	13,360,209	7,945,510
North Attleborough	10,197	64	2,608	1,997	3,248,880	3,927,794	3,823,102	104,692	11,024,392	7,096,598
Norwood	15,049	25	2,654	8,510	4,069,547	11,052,763	10,818,322	204,441	23,524,420	12,471,657
Peabody	21,345	85	6,342	28,629	8,110,670	24,424,090	23,498,686	925,404	40,809,695	16,385,605
Pittsfield	49,677	56	9,647	19,546	13,943,552	24,942,460	23,720,301	1,222,159	60,833,530	35,891,070
Plymouth	13,042	19	2,228	8,961	2,607,094	10,674,654	10,506,721	167,933	18,316,612	7,641,958
Quincy	71,983	158	4,834	24,709	7,925,434	9,265,771	8,772,380	493,391	26,279,813	17,014,042
Revere	35,680	20	198	880	241,996	331,001	268,230	62,771	959,189	628,188
Salem	43,353	125	4,864	17,884	5,561,274	14,089,438	13,317,122	772,316	28,844,350	14,754,912
Saugus	14,700	11	105	644	150,602	266,631	247,459	19,172	603,830	337,199
Somerville	103,908	127	6,043	14,601	8,513,306	67,681,462	66,941,418	740,044	97,429,608	29,748,146
Springfield	149,900	318	17,414	46,971	23,740,389	47,804,651	45,412,424	2,392,227	113,931,026	66,126,375
Stoneham	10,060	18	919	726	1,073,444	1,740,902	1,711,091	29,808	3,802,211	2,061,309
Swampscott	10,346	8	51	42	58,107	123,299	117,882	5,417	257,213	133,914
Taunton	37,355	100	5,873	21,723	6,546,167	16,693,488	15,816,767	876,721	32,394,736	15,701,248
Wakefield	16,318	25	1,461	2,448	1,674,771	3,584,537	3,509,195	75,342	7,218,640	3,634,103
Waltham	39,247	78	4,944	13,337	5,971,835	5,984,803	5,618,373	366,430	18,801,185	12,816,382
Watertown	34,913	40	7,155	32,609	9,363,999	15,398,443	14,653,736	744,707	33,771,465	18,373,022
Webster	12,992	17	2,481	6,913	2,597,814	5,097,371	4,772,229	325,142	10,308,803	5,211,432
Wellesley	11,439	14	159	879	257,258	714,608	683,325	31,283	3,270,079	2,555,471
Westfield	19,775	64	2,729	6,765	3,282,299	5,463,358	5,074,753	388,605	13,434,606	7,971,248
West Springfield	16,684	25	2,970	6,334	4,696,778	8,295,242	7,986,333	308,909	17,994,100	9,698,858
Weymouth	20,882	18	1,168	926	1,336,803	3,145,160	3,104,337	40,823	6,950,164	3,805,004
Winchester	12,719	19	795	2,124	1,039,812	3,110,500	3,014,155	96,345	5,351,130	2,240,630
Wintbrop	16,852	10	48	83	62,637	168,453	161,204	7,249	408,002	239,549
Woburn	19,434	43	1,978	6,615	2,701,103	7,258,352	6,818,778	409,574	13,731,155	6,472,803
Worcester[6]	195,311	533	31,636	131,661	45,259,677	98,224,937	92,780,032	5,444,905	211,314,411	113,089,474

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Boston Industrial Area comprises Essex, Middlesex, Norfolk, and Suffolk Counties. For statistics by industries for this area and for each county, see Table 13.
[4] The Providence-Fall River-New Bedford Industrial Area comprises Bristol County, Mass., and Providence County, R. I.
[5] For statistics by industries for this area, see Table 13.
[6] For statistics by industries for this county, see Table 13.
[7] Combined to avoid disclosing approximations of the data for individual establishments.
[8] Not including Southbridge, which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for this city from separate publication to avoid disclosing approximations of the data for individual establishments.
[9] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	645,031	445,390	199,641	5,867	5,538	329	[2] 8,747	[2] 8,277	[2] 470	[2] 72,923	[2] 45,017	[2] 27,906	557,494	[3] 386,558	[3] 170,936
1919 [1, 4]	812,521	556,185	256,336	9,451	8,944	507	7,105	6,787	318	82,129	50,448	31,681	713,836	490,006	223,830
1914 [4]	676,642	470,494	206,148	10,710	10,122	588	5,250	5,071	179	53,984	37,409	16,575	606,698	417,892	188,806
1909	644,399	447,267	197,132	11,194	10,695	499	4,615	4,481	134	44,031	30,919	13,112	584,559	401,172	183,387

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 840; male, 821; female, 19. Other salaried officers and employees—total, 7,433; male, 3,741; female, 3,697. Corresponding data for 1919 and earlier years are included in the respective items for those years, but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Percent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	557,494	542,830	557,922	564,376	559,753	559,745	555,594	555,522	563,848	573,432	**573,440**	552,395	*531,071*	92.6
1919 [1]	713,836	695,713	677,294	680,825	679,235	680,490	705,382	715,599	726,537	736,391	741,911	751,909	*705,748*	88.4
1914 [1]	606,698	626,776	628,535	**633,583**	628,344	619,082	611,928	595,609	588,703	589,194	590,992	587,141	*580,489*	91.6
1909 [1]	584,559	*565,750*	572,618	579,519	576,618	576,379	576,055	573,462	581,008	594,686	601,533	604,466	**612,615**	92.4

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	9,872	557,494	45 and over but under 48	814	30,898
			48	3,763	328,877
Not reported	8	16	Over 48 but under 54	1,820	101,132
Under 40	161	4,681	54	488	14,723
40	343	8,263	Over 54 but under 60	221	19,317
Over 40 but under 44	147	6,775	60 and over	226	5,757
44 and over but under 45	1,881	37,015			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	9,872	11,906	11,684	557,494	713,836	584,559	51 to 100	770	791	709	55,897	56,499	50,368
							101 to 250	605	689	613	94,272	108,715	96,931
No wage earners	350	1,086	943				251 to 500	251	293	254	87,377	102,019	88,945
1 to 5	3,592	4,670	4,807	9,962	11,497	11,912	501 to 1,000	136	169	129	91,971	114,094	90,776
6 to 20	2,692	2,680	2,741	30,154	30,753	31,222	1,001 to 2,500	69	118	88	104,588	244,045	168,784
21 to 50	1,398	1,410	1,400	46,136	46,214	45,621	2,501 and over	9			37,137		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	9,872	11,906	11,684	557,494	713,836	584,559	$3,392,162,237	$4,011,181,532	$1,490,529,386	$1,710,729,449	$1,750,468,496	$659,764,443
Less than $5,000	(2)	1,645	2,760	(2)	990	3,508	(2)	4,384,884	7,162,781	(2)	2,864,437	4,767,415
$5,000 to $19,999	2,753	3,211	3,826	7,013	9,526	19,912	32,116,656	36,152,704	40,731,897	20,330,572	21,034,052	24,009,431
$20,000 to $99,999	3,508	3,511	2,932	33,921	39,270	61,041	167,826,930	164,770,693	136,992,841	99,719,316	85,780,694	73,120,246
$20,000 to $49,999	2,131	(3)	(3)	14,446	(3)	(3)	68,578,165	(3)	(3)	41,684,329	(3)	(3)
$50,000 to $99,999	1,377	(3)	(3)	19,475	(3)	(3)	99,248,765	(3)	(3)	58,034,987	(3)	(3)
$100,000 to $499,999	2,337	2,149	1,873	99,058	102,035	222,890	536,123,639	498,897,877	585,830,505	285,311,017	240,921,403	261,501,513
$100,000 to $249,999	1,514	(3)		45,853	(3)		241,774,417	(3)		133,160,405	(3)	
$250,000 to $499,999	823	(3)		53,205	(3)		294,349,222	(3)		152,150,612	(3)	
$500,000 to $999,999	587	575		70,611	73,906		415,173,230	410,219,829		207,517,598	181,962,468	
$1,000,000 and over	687	815	293	346,891	488,109	277,208	2,240,921,782	2,896,755,545	719,811,362	1,097,850,946	1,217,905,442	296,365,838
$1,000,000 to $2,499,999	446	(3)	(3)	118,762	(3)	(3)	681,172,301	(3)	(3)	331,185,441	(3)	(3)
$2,500,000 to $4,999,999	140	(3)	(3)	84,111	(3)	(3)	473,392,716	(3)	(3)	245,125,361	(3)	(3)
$5,000,000 and over	101	(3)	(3)	144,018	(3)	(3)	1,086,356,765	(3)	(3)	521,540,144	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[2] No data.

[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	9,872	11,906	557,494	713,836	$3,392,162,237	$4,011,181,532	$1,710,729,449	$1,750,468,496
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	5,319	4,697	510,393	621,783	3,118,480,833	3,483,117,043	1,567,610,222	1,519,657,763
Other forms of ownership or control (individual, partnership, etc.)	4,553	7,209	47,101	92,053	273,681,404	528,064,489	143,119,227	230,810,733
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	1,115	(1)	243,046	(1)	1,584,188,409	(1)	767,964,271	(1)
Independent (single-unit)	8,757	(1)	314,448	(1)	1,807,973,828	(1)	942,765,178	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State														
1929	2,068,521	984,302	2,197	421,473	644	407,812	255	10,837	719	144,180	155,239	1,084,219	67,249	639,517
1927	2,130,503	1,107,992	2,512	525,659	663	409,117	231	9,810	880	163,406	138,088	1,022,511	58,568	529,350
1925	2,013,017	1,124,304	2,652	563,017	455	372,808	295	11,545	1,020	176,934	117,049	888,713	61,429	577,135
1919 [1]	1,716,982	1,165,461	3,766	694,531	502	270,401	407	11,227	1,252	189,302	65,360	551,521	39,696	424,274
1914 [1]	1,380,912	1,180,573	[2] 4,893	[2] 970,506	(3)	(3)	770	20,242	1,542	189,825	26,412	200,339	30,515	382,632
Industrial Areas														
Boston Area (Essex, Middlesex, Norfolk, and Suffolk Counties)	936,457	470,129	1,181	169,088	290	258,249	129	5,332	178	37,460	81,136	466,328	35,739	326,948
Providence-Fall River-New Bedford Area, total	738,958	329,959	425	176,728	242	129,060	25	6,963	105	17,208	50,483	408,999	17,168	128,409
Portion in Massachusetts (Bristol County)	359,701	181,955	214	120,108	163	59,451	13	455	24	1,941	18,033	177,746	6,815	61,890
Portion in Rhode Island (Providence County)	379,257	148,004	211	56,620	79	69,609	12	6,508	81	15,267	32,450	231,253	10,353	66,519
Worcester Area (coextensive with Worcester County)	306,677	104,943	309	57,674	42	24,582	25	1,015	203	21,672	24,085	201,734	6,261	49,392
Springfield-Holyoke Area (coextensive with Hampden County)	252,013	120,735	161	26,729	42	36,665	25	1,044	148	56,297	18,204	131,278	9,948	133,230
Counties in which aggregate horsepower exceeded 25,000: 1929														
Berkshire	81,423	49,869	166	24,841	80	15,330	22	873	59	8,825	2,904	31,554	6,979	49,057
Bristol	359,701	181,955	214	120,108	163	59,451	13	455	24	1,941	18,033	177,746	6,815	61,890
Essex	323,556	222,943	328	52,700	119	156,179	26	817	47	13,247	22,304	100,613	18,845	155,139
Franklin	39,785	16,120	32	3,447	4	1,567	8	518	41	10,588	2,174	23,665	552	6,549
Hampden	252,013	120,735	161	26,729	42	36,665	25	1,044	148	56,297	18,204	131,278	9,948	133,230
Hampshire	47,253	20,630	41	5,634	11	7,138	19	1,325	48	6,533	3,773	26,623	352	5,200
Middlesex	343,645	159,135	421	63,699	104	71,977	49	2,048	90	21,411	27,033	184,510	9,993	116,539
Norfolk	88,590	33,998	216	21,122	26	9,657	18	968	31	2,251	5,991	54,592	2,130	22,711
Plymouth	43,519	18,555	87	12,828	9	4,625	7	238	18	864	4,845	24,964	483	5,481
Suffolk	180,666	54,053	216	31,567	41	20,436	36	1,499	10	551	25,808	126,613	4,771	32,559
Worcester	306,677	104,943	309	57,674	42	24,582	25	1,015	203	21,672	24,085	201,734	6,261	49,392

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	2,068,521	984,302	1,084,219	639,517	Middlesex	343,645	159,135	184,510	116,539
					Norfolk	88,590	33,998	54,592	22,711
Barnstable	1,242	965	277	1,670					
Berkshire	81,423	49,869	31,554	49,057	Plymouth	43,519	18,555	24,964	5,481
Bristol	359,701	181,955	177,746	61,890	Suffolk	180,666	54,053	126,613	32,559
Essex	323,556	222,943	100,613	155,139	Worcester	306,677	104,943	201,734	49,392
Franklin	39,785	16,120	23,665	6,549	All other counties (Dukes and Nantucket) [2]	451	401	50	100
Hampden	252,013	120,735	131,278	133,230					
Hampshire	47,253	20,630	26,623	5,200					

[1] Horsepower of electric motors driven by energy generated in establisments reporting.
[2] Combined to avoid disclosing data for individual establishments.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	5,351,007	$29,610,357	5,478,838	5,806,754	6,411,711	6,250,565	6,882,024
Anthracite (tons, 2,240 pounds)	233,495	1,646,628	(3)	446,378	693,759	664,428	901,158
Bituminous (tons, 2,000 pounds)	5,089,493	27,963,729	(3)	5,306,811	5,634,701	5,506,406	5,872,727
Coke (tons, 2,000 pounds)	477,370	3,594,747	(4)	(4)	501,293	223,132	207,953
Fuel oils, including crude oils and gas oils (gallons) [5]	336,643,517	12,336,265	(4)	(4)	153,849,234	35,458,542	34,089,636
Gasoline and kerosene (gallons) [5]	1,112,664	161,639	(4)	(4)	3,800,286		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	8,488,014	3,977,596	(4)	(4)	1,222,444	630,455	774,436
Other fuels		592,889	(4)	(4)	(4)	(4)	(4)
Electric energy purchased (kilowatt-hours)	1,409,874,874	25,245,975	(6)	(4)	(4)	(4)	(4)
Total cost of fuel and purchased energy		[7] 75,519,468	*Cost* $80,238,855	*Cost* (6)	*Cost* $72,359,279	*Cost* $32,507,238	*Cost* $25,817,129

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
All industries, total	9,872	[3]81,670	557,494	984,302	1,084,219	[3]215,218,070	694,805,312	1,608,241,235	73,191,493	3,392,162,237	1,710,729,449
Aluminum manufactures	6	15	112		2,852	39,118	149,162	417,309	50,932	762,267	294,026
Artificial leather	4	64	318	472	923	131,626	408,053	2,369,132	70,436	3,701,953	1,262,385
Awnings, tents, sails, and canvas covers	58	78	308		135	175,737	421,870	698,923	11,250	1,770,996	1,060,823
Bags, other than paper, not made in textile mills	5	11	74		59	23,583	65,378	686,833	2,487	876,851	187,531
Bags, paper, exclusive of those made in paper mills	4	22	193	100	156	52,079	212,294	1,334,198	10,444	1,833,191	488,549
Baskets and rattan and willow ware, not including furniture	9	25	131		138	51,661	154,518	189,277	8,078	512,833	315,478
Belting, leather	18	77	433	582	464	289,458	533,980	3,802,165	33,575	7,054,645	3,218,605
Beverages	207	409	1,304	1,846	2,635	1,114,229	1,714,943	6,143,644	190,586	15,974,006	9,639,776
Billiard and pool tables, bowling alleys, and accessories	5	7	33		104	17,300	60,163	70,671	1,972	237,200	164,557
Blacking, stains, and dressings	59	204	381	281	274	534,040	489,502	2,053,995	23,408	4,846,226	2,768,823
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	8	163	1,377	1,986	1,254	470,213	1,885,222	1,721,850	120,729	5,464,302	3,621,723
Bookbinding and blank-book making	83	382	2,645	125	1,718	944,813	3,316,020	2,675,673	81,575	9,801,970	7,044,722
Boot and shoe cut stock, not made in boot and shoe factories	130	443	2,814	325	2,781	1,152,280	3,170,787	38,370,397	121,321	47,782,256	9,290,538
Boot and shoe findings, not made in boot and shoe factories	231	678	4,844	1,701	7,338	1,920,820	5,221,076	17,387,515	287,822	30,418,736	12,743,399
Boots and shoes, other than rubber	436	5,094	55,093	11,475	20,381	12,375,663	64,205,152	122,745,063	1,279,817	241,587,864	117,562,984
Boots and shoes, rubber	10	2,007	11,163	2,060	32,002	4,862,882	13,521,613	14,451,332	736,458	40,230,364	25,092,574
Boxes, paper, not elsewhere classified	110	778	5,349	395	5,917	1,914,359	5,422,332	13,263,582	242,277	25,247,448	11,741,589
Boxes, wooden, except cigar boxes	56	191	1,797	7,235	3,010	480,886	2,071,432	4,346,219	72,822	8,290,008	3,870,967
Bread and other bakery products	1,077	1,063	10,413	2,015	12,372	2,358,882	13,700,195	38,037,393	1,626,737	80,270,302	40,606,172
Brooms	9	4	41		33	7,227	47,709	132,938	2,510	234,217	98,769
Brushes, other than rubber	24	234	1,002	580	1,241	647,346	1,096,138	2,355,099	58,352	6,833,449	4,419,968
Butter	6	4	14	10	73	4,300	20,692	495,893	5,338	521,853	20,622
Buttons	6	2	41	150	21	(4)	44,378	56,526	4,040	178,081	117,515
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	19	130	907	53	1,226	393,122	997,958	3,796,567	50,664	6,259,134	2,411,903
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	34	159	518	415	537	387,502	581,744	5,748,361	77,297	9,498,955	3,673,297
Car and general construction and repairs, electric-railroad repair shops	17	63	1,094		4,430	139,483	2,065,803	1,155,870	63,240	3,425,806	2,206,696
Car and general construction and repairs, steam-railroad repair shops	15	459	4,144	6,606	5,647	1,159,661	6,892,429	9,163,879	368,305	17,584,274	8,052,090
Card cutting and designing	6	79	232		321	166,492	240,865	810,436	12,128	1,717,194	894,630
Carpets and rugs, rag	14	11	76	40	50	15,960	61,052	71,718	2,655	238,547	164,174
Carpets and rugs, wool, other than rag	9	228	4,297	6,000	2,171	763,533	5,195,113	9,648,536	273,957	22,040,332	12,117,839
Carriages and sleds, children's	10	132	1,436	340	960	334,340	1,653,125	2,893,720	37,828	6,404,295	3,472,747

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Caskets, coffins, burial cases, and other mortic-ians' goods	12	96	418	470	683	263,677	502,599	1,206,524	22,801	2,787,935	1,558,610
Chemicals, not elsewhere classified	15	478	2,936	2,915	7,705	1,317,886	4,016,327	6,658,403	494,820	19,103,023	11,949,800
Chocolate and cocoa products, not including confectionery	11	86	899	6,131	4,858	260,493	1,226,360	11,903,580	248,990	17,315,279	5,162,709
Cigars and cigarettes	56	121	1,169	-------	223	389,096	1,179,027	2,686,333	16,431	6,073,945	3,371,181
Clay products (other than pottery) and nonclay refractories	26	74	676	1,613	2,947	192,513	847,395	101,064	389,423	2,045,187	1,554,700
Cleaning and polishing preparations	32	97	115	-------	339	220,965	122,341	753,765	7,584	1,845,393	1,084,044
Clocks, clock movements, time-recording devices, and time stamps	6	253	485	85	345	496,585	616,998	946,597	24,968	3,266,514	2,294,949
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	161	512	5,551	615	983	1,449,394	6,445,578	15,779,029	144,123	30,585,349	14,662,197
Clothing, women's, not elsewhere classified	312	789	6,874	15	1,389	2,150,328	7,798,173	23,150,984	136,735	43,100,869	19,813,150
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	27	78	749	-------	224	209,828	844,204	2,610,035	20,565	4,487,827	1,857,227
Cloth sponging and refinishing	4	5	41	-------	57	15,320	57,588	1,640	2,680	119,701	115,381
Coffee and spice, roasting and grinding	26	258	467	298	1,682	839,788	697,296	13,921,472	103,121	18,207,941	4,183,348
Combs and hairpins, not made from metal or rubber	13	86	531	573	263	180,823	505,875	656,593	26,382	1,772,768	1,089,793
Compressed and liquefied gases	10	111	108	160	1,567	191,487	168,427	427,000	124,102	1,743,866	1,191,864
Concrete products	71	129	673	249	1,802	411,816	1,149,903	918,390	69,896	3,206,175	2,217,889
Condensed and evaporated milk	6	7	30	-------	203	16,271	38,502	775,100	9,342	1,023,143	238,701
Confectionery	144	1,186	7,471	4,214	8,454	3,133,400	6,744,576	22,302,536	618,764	43,932,366	21,111,066
Cooperage	13	25	483	1,930	229	49,425	616,912	1,348,692	20,165	2,433,436	1,064,579
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	89	311	1,316	84	1,577	890,663	2,164,935	3,731,435	78,218	8,759,005	4,949,352
Cordage and twine	11	282	1,882	5,840	3,060	865,757	1,964,016	8,782,149	146,459	16,773,761	7,845,153
Corsets and allied garments	11	180	706	500	124	371,783	658,938	1,562,608	10,265	3,197,894	1,625,021
Cotton goods	135	2,450	70,788	257,225	180,959	7,519,444	65,556,859	118,088,790	7,352,846	233,618,009	108,176,373
Cotton small wares	43	165	2,924	1,350	2,924	532,507	2,857,062	6,023,307	186,862	11,922,618	5,712,449
Cutlery (not including silver and plated cutlery) and edge tools	40	531	3,467	3,706	6,925	1,571,971	3,939,186	3,428,295	305,834	33,663,199	29,929,070
Dental goods and equipment	5	16	90	-------	52	44,385	84,830	326,447	4,354	567,615	236,814
Doors, shutters, and window sash and frames, metal	8	67	302	-------	918	202,187	507,705	638,312	21,849	1,631,367	971,206
Druggists' preparations	18	40	104	-------	116	87,271	108,441	299,491	6,320	827,481	521,670
Dyeing and finishing textiles	67	1,600	14,450	50,965	14,462	4,585,639	16,853,664	50,111,259	2,923,168	93,148,770	40,114,343
Electrical machinery, apparatus, and supplies	106	6,377	28,844	44,098	35,954	13,757,280	41,011,734	62,060,003	2,263,349	184,786,944	120,463,592
Electroplating	36	59	391	-------	882	121,870	523,001	189,500	48,099	1,205,608	968,009
Embroideries	5	3	45	-------	17	4,056	40,645	18,768	700	106,176	86,708
Engines, turbines, tractors, and water wheels	7	51	221	591	509	123,175	326,797	235,675	18,987	851,194	596,632
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	32	48	329	-------	270	120,977	510,522	164,335	14,496	1,233,069	1,054,238
Engraving, steel and copperplate, and plate printing	26	158	769	-------	361	401,799	830,035	1,082,181	19,446	3,492,330	2,390,703
Envelopes	19	423	2,211	1,635	1,266	1,033,314	2,445,592	7,843,389	84,454	14,437,752	6,509,909
Fancy and miscellaneous articles, not elsewhere classified	53	284	2,102	379	1,040	809,972	1,977,630	3,062,479	66,260	8,265,554	5,136,815
Feeds, prepared, for animals and fowls	6	34	157	125	1,091	69,894	164,341	2,004,860	26,807	2,679,385	647,718
Felt goods, wool, hair, or jute	15	104	863	1,633	3,462	362,131	1,158,018	4,579,433	205,659	7,696,058	2,910,966
Fertilizers	6	36	387	870	2,374	88,249	452,595	2,691,436	63,146	3,874,229	1,119,647
Firearms	4	182	1,692	550	2,487	451,144	2,165,670	808,188	122,324	5,739,837	4,809,325
Flavoring extracts and flavoring sirups	27	117	153	75	373	365,417	176,126	1,346,075	13,528	3,020,358	1,660,756
Flour and other grain-mill products	20	13	65	425	1,392	17,679	71,376	1,801,574	23,823	2,055,526	230,129
Food preparations, not elsewhere classified	43	172	488	164	937	574,754	576,977	2,658,934	120,437	6,964,274	4,184,903
Forgings, iron and steel, not made in plants operated in connection with rolling mills	12	200	2,146	675	9,226	886,441	3,490,231	3,944,063	630,463	13,653,247	9,078,721
Foundry and machine-shop products, not elsewhere classified	465	4,536	21,243	18,191	51,845	13,894,897	32,969,609	34,627,613	2,266,349	114,965,036	78,071,074
Fur goods	29	61	228	-------	83	202,739	454,779	1,110,553	7,514	2,271,512	1,153,445
Furnishing goods, men's, not elsewhere classified	30	163	1,321	-------	172	442,429	1,119,270	3,710,043	20,754	7,061,267	3,330,470
Furniture, including store and office fixtures	217	1,169	8,598	7,667	13,029	3,218,860	11,926,867	18,541,823	487,807	41,921,577	22,891,947
Galvanizing and other coating, not done in plants operated in connection with rolling mills	4	11	46	-------	49	28,239	68,190	75,340	10,321	241,541	155,880
Gas and electric fixtures; lamps, lanterns, and reflectors	15	70	493	5	1,002	214,696	677,134	997,689	46,748	2,648,023	1,603,686
Gas, manufactured, illuminating and heating	39	2,115	4,096	23,557	7,986	3,838,345	6,516,333	7,505,740	8,329,648	41,264,782	25,429,394
Glass products (except mirrors) made from purchased glass	18	27	171	-------	103	125,755	258,664	295,245	10,299	959,050	653,506
Glue and gelatin	12	117	729	1,628	2,024	329,966	1,054,291	4,165,943	395,165	7,944,050	3,382,942
Gold leaf and foil	17	14	133	7	59	18,189	138,238	182,930	4,121	417,764	230,713
Gold, silver, and platinum, reducing and refining, not from the ore	4	7	18	-------	79	17,481	26,858	1,850,975	8,477	2,049,902	190,450
Grease and tallow, not including lubricating greases	17	103	624	952	3,117	208,535	828,093	3,529,641	247,656	5,900,500	2,123,203
Hair work	3	9	22	-------	-------	18,336	19,236	19,046	-------	77,941	58,895
Hand stamps and stencils and brands	24	45	133	-------	145	80,059	179,536	175,699	6,856	643,732	461,277
Hardware not elsewhere classified	26	143	775	118	1,537	319,811	964,011	1,214,558	81,582	3,295,400	1,999,260
Hats and caps, except felt and straw, men's	38	43	220	-------	63	93,358	291,061	562,272	8,818	1,256,501	685,411
Hats, fur-felt	4	29	241	-------	267	66,352	227,548	702,995	16,084	1,245,792	526,713
House-furnishing goods, not elsewhere classified	94	297	1,703	-------	968	733,328	1,431,073	10,048,006	48,662	14,780,932	4,684,264
Ice cream	149	241	975	15	8,410	680,966	1,481,570	6,987,766	376,566	14,995,097	7,630,765
Ice, manufactured	26	103	288	4,417	9,675	196,938	641,852	198,296	460,411	3,124,538	2,465,831
Instruments, professional and scientific	25	254	671	15	744	638,765	959,486	1,201,151	39,107	5,142,346	3,902,088
Iron and steel, processed	3	9	25	-------	88	19,560	35,619	16,399	6,826	96,101	72,876
Jewelry	120	767	5,422	505	4,046	2,069,054	6,836,212	12,414,293	200,409	28,087,253	15,472,551
Jewelry and instrument cases	10	73	496	-------	420	225,935	410,898	721,974	22,026	1,773,315	1,029,315
Knit goods	86	838	8,817	6,174	4,519	2,704,408	8,945,286	20,003,216	398,657	41,050,135	20,648,262

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Labels and tags	8	15	60	-------	47	97,101	72,568	145,972	2,312	503,929	355,645
Lasts and related products	28	145	728	1,402	1,482	393,772	1,111,661	901,638	68,547	3,104,258	2,134,073
Leather goods, not elsewhere classified	29	49	459	50	428	134,134	423,372	886,364	27,632	2,187,719	1,273,723
Leather: Tanned, curried, and finished	113	1,098	10,707	25,229	20,285	3,844,122	14,206,501	58,868,992	1,431,942	88,348,403	28,107,469
Lime	6	20	317	725	929	75,204	443,333	512,362	262,052	1,595,870	821,456
Linen goods	4	64	880	3,168	2,077	137,842	853,955	2,137,421	82,666	4,450,149	2,230,062
Lithographing	12	320	1,052	1,935	1,283	956,093	1,536,928	1,718,492	41,014	5,320,136	3,560,630
Lumber and timber products, not elsewhere classified	82	80	1,016	5,899	3,330	255,568	1,106,634	1,619,748	69,040	3,910,196	2,221,408
Macaroni, spaghetti, vermicelli, and noodles	10	32	192	100	787	82,213	195,561	834,273	43,945	1,382,148	503,930
Machine-tool accessories and small metal-working tools, not elsewhere classified	44	411	3,239	1,668	6,455	936,485	4,402,607	2,282,299	320,608	14,491,970	11,889,063
Machine tools	26	881	3,361	570	12,723	2,168,423	5,663,580	4,640,021	250,879	20,106,629	15,215,729
Marble, granite, slate, and other stone products	141	270	2,664	6,102	9,704	848,443	3,682,476	2,148,073	293,456	9,735,206	7,293,677
Mattresses and bed springs, not elsewhere classified	57	140	671	-------	1,278	288,179	768,361	2,410,344	47,309	4,644,665	2,187,012
Meat packing, wholesale	33	657	2,594	4,301	5,550	1,298,014	3,572,432	56,096,143	503,266	64,354,688	7,765,279
Millinery	28	82	1,307	175	679	183,862	1,344,511	2,539,326	72,812	5,131,571	2,519,433
Minerals and earths, ground or otherwise treated	5	20	72	630	555	104,185	103,567	441,893	25,341	826,416	359,182
Mirror and picture frames	14	35	165	80	90	80,668	221,190	188,504	6,037	677,406	482,865
Mirrors, framed and unframed	5	26	97	75	70	58,289	139,636	255,044	8,013	609,619	346,462
Models and patterns, not including paper patterns	66	112	550	-------	727	332,828	994,110	321,437	24,024	2,390,803	2,045,342
Motor-vehicle bodies and motor-vehicle parts	46	345	3,393	30	4,950	986,997	4,881,464	7,666,850	201,512	15,948,736	8,080,374
Motorcycles, bicycles, and parts	5	262	1,206	400	2,042	596,762	1,567,456	3,323,024	116,405	6,645,657	3,206,228
Mucilage, paste, and other adhesives, except glue and rubber cement	7	18	27	-------	146	45,944	34,389	239,953	6,681	501,373	254,739
Musical instrument parts and materials: Piano and organ	7	28	195	410	191	79,776	227,771	167,881	12,328	534,174	353,965
Musical instruments and parts and materials, not elsewhere classified	8	40	206	3	73	80,239	250,127	114,615	7,332	576,696	454,049
Musical instruments: Organs	4	46	303	50	311	138,554	563,274	395,618	11,621	1,605,627	1,198,388
Musical instruments: Pianos	8	100	858	687	1,249	247,235	1,297,585	1,680,596	62,382	3,697,415	1,954,437
Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills	20	159	780	445	2,404	330,988	976,601	1,885,569	105,818	4,105,863	2,114,476
Nonferrous-metal alloys and products not including aluminum products	76	385	1,861	2,800	11,596	1,087,235	2,592,332	9,840,838	450,483	18,000,782	7,709,461
Oils, not elsewhere classified	7	33	39	10	187	96,828	58,225	861,214	8,214	1,203,544	334,116
Paints and varnishes	44	526	789	620	3,298	1,449,677	1,086,812	8,243,857	151,050	15,825,855	7,430,942
Paper	73	1,525	12,138	109,555	62,230	5,329,555	16,403,702	43,359,837	5,653,415	93,317,072	44,303,820
Pulp (wood and other fiber)	3	26	223			64,003	245,191	965,688	112,529	1,767,501	689,284
Paper goods, not elsewhere classified	63	966	4,053	3,183	22,498	2,412,760	5,219,802	17,481,241	388,290	29,886,023	12,016,494
Patent or proprietary medicines and compounds	60	655	1,564	1,209	706	1,915,310	2,279,033	6,365,384	95,560	21,312,798	14,851,854
Paving materials: Asphalt, tar, crushed slag, and mixtures	3	24	113	140	143	71,942	199,386	1,453,745	26,993	2,410,416	929,678
Pens, fountain and stylographic; pen points, gold, steel, and brass	6	33	227	-------	99	112,868	279,406	706,375	8,185	1,398,356	683,796
Perfumes, cosmetics, and other toilet preparations	25	59	106	-------	54	151,111	102,753	646,995	2,425	1,903,772	1,254,352
Petroleum refining	3	313	1,071	5,401	2,823	544,688	1,883,946	25,468,122	160,499	31,283,847	5,655,226
Phonographs	3	53	343	-------	766	105,415	459,757	385,416	47,432	1,846,045	1,413,197
Photo-engraving, not done in printing establishments	43	236	679	-------	280	721,351	1,550,429	354,546	41,105	3,435,961	3,040,310
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	135	397	2,011	6,028	11,207	1,098,829	3,295,513	5,772,728	209,431	12,361,575	6,379,416
Plated ware	16	97	753	850	639	304,284	907,251	679,907	64,525	2,836,079	2,091,647
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	21	121	629	619	1,187	351,022	841,999	2,191,988	77,024	4,618,009	2,348,997
Pocketbooks, purses, and cardcases	17	110	696	6	113	290,068	709,779	1,627,394	14,260	3,540,411	1,898,757
Printing and publishing, book and job	673	2,928	9,341	2,045	10,949	7,713,186	14,741,670	14,112,469	478,440	61,892,667	47,301,756
Printing and publishing, music	9	169	82	-------	137	333,509	121,038	140,802	4,211	1,748,354	1,603,341
Printing and publishing, newspaper and periodical	318	6,123	5,775	1,111	15,589	14,625,272	13,252,459	19,880,461	629,286	76,840,313	56,330,566
Printing materials, not including type or ink	4	11	41	-------	54	51,682	61,540	58,821	2,981	308,441	246,639
Pumps (hand and power) and pumping equipment	17	834	2,558	2,643	4,829	2,000,069	4,174,474	6,935,081	254,513	17,636,805	10,447,211
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	8	22	181	125	204	99,317	299,632	271,986	5,812	906,083	628,285
Regalia, badges, and emblems	9	22	79	56	39	38,771	82,532	106,196	4,984	300,250	189,070
Rubber goods (other than rubber boots and shoes) and rubber tires and inner tubes	62	2,073	9,764	16,284	67,569	5,362,751	12,400,228	42,510,517	2,093,685	76,439,857	31,835,655
Saddlery and harness	6	12	46	25	27	23,452	55,486	128,559	3,283	219,092	87,250
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	60	101	485	50	2,064	243,763	732,966	5,444,851	97,329	7,248,411	1,706,231
Saws	9	105	627	25	3,247	230,338	920,198	994,235	103,799	3,828,326	2,730,292
Screw-machine products and wood screws	27	333	1,768	38	5,774	824,189	2,457,177	2,748,138	203,285	8,215,706	6,264,283
Sewing machines and attachments	7	103	586	1,065	31	232,197	805,564	920,568	27,538	2,341,551	1,393,745
Ship and boat building, steel and wooden, including repair work	40	507	3,635	1,777	15,701	1,219,612	6,499,543	5,300,567	283,428	16,449,438	10,865,443
Shirts	11	83	1,277	165	193	129,655	962,274	2,449,467	16,337	4,699,693	2,233,889
Signs and advertising novelties	28	81	359	-------	290	172,404	448,975	419,116	10,322	1,395,500	966,062
Silk and rayon manufactures	42	385	7,390	5,032	13,309	1,174,731	7,105,466	20,513,886	445,782	37,412,704	16,453,036
Silversmithing and silverware	19	310	1,944	1,306	857	949,205	2,653,891	3,251,086	101,803	9,979,870	6,626,981
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	5	28	64	-------	201	69,034	83,462	1,711,743	23,589	2,039,966	304,634
Sporting and athletic goods, not including firearms or ammunition	14	308	1,778	709	4,411	748,311	2,419,564	5,144,812	132,719	12,322,716	7,045,185

See footnotes at end of table

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
Springs, steel, except wire, not made in plants operated in connection with rolling mills	3	4	21	--------	39	*Dollars* 12,974	*Dollars* 33,855	*Dollars* 16,023	*Dollars* 3,894	*Dollars* 104,779	*Dollars* 84,862
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	43	273	1,409	411	5,251	944,086	1,922,411	2,447,835	173,496	7,173,392	4,552,061
Stationery goods, not elsewhere classified	24	520	2,331	330	1,193	1,134,112	2,498,500	5,766,820	64,349	12,143,957	6,312,788
Statuary and art goods, factory product	9	19	117	--------	66	54,712	242,686	93,299	4,274	530,366	432,793
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	10	67	151	15	342	172,108	196,526	433,785	20,829	1,134,365	679,751
Steam fittings and steam and hot-water heating apparatus	26	688	2,879	940	7,076	1,511,416	4,116,419	3,286,240	376,009	15,311,608	11,649,359
Stereotyping and electrotyping, not done in printing establishments	16	69	362	--------	1,427	257,295	584,525	168,984	47,073	1,460,553	1,244,496
Stoves and ranges (other than electric) and warm-air furnaces	18	230	2,033	988	3,240	654,884	2,937,542	2,940,807	186,273	10,381,606	7,254,526
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	74	361	1,377	300	4,991	1,171,526	2,431,917	5,305,947	140,268	11,562,309	6,116,094
Suspenders, garters, and other elastic woven goods, made from purchased webbing	9	97	644	18	154	213,365	493,324	2,301,535	11,521	3,507,267	1,194,211
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	25	88	200	225	835	348,868	318,358	3,137,188	58,214	4,849,556	1,654,154
Textile machinery and parts	111	1,445	10,597	9,742	18,592	4,394,701	14,233,661	11,748,270	719,403	41,202,970	28,735,297
Tin cans and other tinware, not elsewhere classified	10	105	605	120	934	211,661	734,011	1,991,130	38,392	3,771,371	1,741,849
Tools, not including edge tools, machine tools, files, or saws	54	546	2,860	2,160	7,353	1,333,463	3,687,152	3,374,580	304,147	13,260,184	9,581,457
Toys (not including children's wheel goods or sleds), games, and playground equipment	30	256	1,714	1,756	1,991	876,457	1,651,987	3,449,279	77,037	8,001,798	4,475,482
Trimmings (not made in textile mills) and stamped art goods for embroidering	17	26	112	--------	35	61,057	121,033	484,539	6,845	862,308	370,924
Trunks, suitcases, and bags	26	88	485	90	265	208,544	530,544	1,193,937	15,241	2,487,933	1,278,755
Umbrellas, parasols, and canes	6	16	109	--------	80	30,379	93,626	511,076	7,030	779,744	261,638
Vinegar and cider	12	16	66	195	288	35,557	82,887	373,880	8,297	664,243	282,066
Waste	19	78	469	935	1,791	282,863	448,456	3,508,470	69,062	5,035,919	1,158,387
Watch and clock materials and parts, except watchcases	5	10	103	--------	133	12,657	98,081	61,560	7,491	249,255	180,204
Window and door screens and weather strip	27	38	173	163	386	56,913	239,130	331,768	10,967	831,243	488,508
Window shades and fixtures	24	49	151	--------	143	118,637	168,403	992,474	6,466	1,634,822	635,882
Wire, drawn from purchased bars or rods	13	451	4,178	2,109	33,139	1,205,204	7,265,844	8,835,453	1,376,591	25,987,900	15,775,856
Wirework, not elsewhere classified	26	209	1,627	692	2,212	405,058	1,920,259	3,834,061	112,676	7,474,432	3,527,695
Wood preserving	3	10	63	--------	184	33,585	95,529	375,822	13,059	561,921	173,040
Wood turned and shaped and other wooden goods, not elsewhere classified	51	85	833	1,668	1,894	224,094	867,302	1,192,494	41,041	3,028,175	1,794,640
Woolen goods	93	938	15,711	33,596	18,956	3,255,641	18,604,353	37,803,633	1,795,710	71,080,687	31,481,344
Wool scouring	11	65	635	2,365	1,890	277,812	898,515	731,713	153,775	2,476,104	1,590,616
Wool shoddy	22	81	503	2,271	3,196	274,634	642,330	1,929,611	167,326	3,571,253	1,474,316
Worsted goods	63	1,631	29,962	130,377	32,469	4,935,830	33,700,230	103,255,578	3,165,977	171,817,773	65,396,218
Other industries	261	4,805	26,800	77,824	62,163	12,352,663	35,933,473	150,667,173	10,899,962	290,605,614	129,638,479

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 8,278 employees of central administrative offices, with salaries aggregating $25,702,580. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each industrial area (See GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BOSTON INDUSTRIAL AREA											
[This area comprises Essex, Middlesex, Norfolk, and Suffolk Counties. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	6,394	48,896	285,652	470,129	466,328	*Dollars* 128,024,960	*Dollars* 371,694,731	*Dollars* 938,556,995	*Dollars* 37,991,960	*Dollars* 1,950,417,516	*Dollars* 973,868,561
Awnings, tents, sails, and canvas covers	43	55	225	----------	92	143,176	321,929	547,707	6,751	1,362,960	808,502
Baskets and rattan and willow ware, not including furniture	5	13	47	----------	48	26,324	69,377	75,187	2,452	232,652	155,013
Beverages	122	310	981	1,717	1,843	851,940	1,324,755	5,053,024	142,745	13,112,020	7,936,251
Billiard and pool tables, bowling alleys, and accessories [1]	5	7	33	----------	104	17,300	60,163	70,671	1,972	237,200	164,557
Blacking, stains, and dressings [1]	44	166	348	241	246	453,351	442,310	1,831,839	19,988	4,190,870	2,339,043
Bookbinding and blank-book making	68	207	1,489	----------	1,221	555,510	1,990,076	1,254,273	59,669	5,250,652	3,936,710
Boot and shoe cut stock, not made in boot and shoe factories	99	335	1,851	325	1,747	884,400	2,141,919	31,236,821	80,997	38,304,007	6,986,189
Boot and shoe findings, not made in boot and shoe factories	189	536	3,644	601	6,333	1,376,790	3,887,944	10,778,540	210,161	19,896,049	8,907,348
Boots and shoes, other than rubber	348	3,259	36,143	4,935	13,071	8,069,861	42,668,287	74,976,588	819,119	151,854,957	76,059,250
Boxes, paper, not elsewhere classified	74	601	4,259	345	4,855	1,458,066	4,342,798	10,750,022	200,154	20,333,490	9,383,314
Boxes, wooden, except cigar boxes	26	105	1,013	5,440	321	255,721	1,174,039	2,470,840	29,743	4,574,575	2,073,962
Bread and other bakery products	659	765	7,388	1,847	7,016	1,749,407	9,569,946	27,542,619	1,085,574	58,919,878	30,291,685
Brooms	5	1	23	----------	13	(3)	29,408	69,388	1,464	124,818	53,966
Canning and preserving: Fish, crabs, shrimps, oysters, and clams [1]	19	130	907	53	1,226	393,122	997,958	3,796,567	50,664	6,259,134	2,411,903
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	27	137	453	415	436	339,952	528,742	5,123,835	72,424	8,510,736	3,314,477
Carpets and rugs, rag	10	8	60	----------	36	11,330	47,067	64,260	2,159	184,335	117,916
Carpets and rugs, wool, other than rag	3	71	776	500	1,319	199,785	1,120,027	1,794,726	68,686	4,568,089	2,704,677
Caskets, coffins, burial cases, and other mortician' goods	8	60	261	470	91	171,456	309,547	821,454	10,881	1,960,290	1,127,955
Cigars and cigarettes	35	104	857	----------	174	357,891	893,341	2,177,605	12,092	4,961,834	2,772,137
Clay products (other than pottery) and nonclay refractories	4	16	227	895	702	42,607	295,072	19,906	173,035	772,146	579,205
Cleaning and polishing preparations	25	81	73	----------	291	179,796	78,636	400,783	5,207	1,064,486	658,496
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	145	462	4,922	515	886	1,350,533	5,972,849	14,930,834	127,894	28,850,717	13,791,989
Clothing, women's, not elsewhere classified	268	659	5,794	15	1,097	1,824,988	6,886,941	20,570,007	114,519	38,412,417	17,727,891
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	20	62	616	----------	143	180,072	748,693	2,328,553	15,763	4,011,331	1,667,015
Cloth sponging and refinishing	4	5	41	----------	57	15,320	57,588	1,640	2,680	119,701	115,581
Coffee and spice, roasting and grinding	20	246	450	208	1,598	812,721	576,529	13,463,779	97,346	17,627,271	4,066,146
Concrete products	41	103	515	23	1,284	361,448	928,899	708,486	56,646	2,494,608	1,729,476
Confectionery	124	1,071	6,979	4,039	7,744	2,891,603	6,371,956	21,071,007	478,308	41,380,974	19,831,659
Cooperage	4	13	244	365	181	28,214	286,747	925,668	19,082	1,472,324	527,574
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	60	272	1,132	75	1,367	776,028	1,837,026	3,239,767	64,975	7,518,980	4,214,238
Cotton goods	26	459	9,459	68,558	24,207	1,414,955	9,430,710	16,473,417	1,047,752	35,632,150	18,110,981
Cotton small wares	20	84	1,188	360	1,006	279,579	1,253,669	2,525,440	74,538	5,104,426	2,504,448
Doors, shutters, and window sash and frames, metal	5	25	95	----------	402	69,485	173,083	285,159	8,997	606,631	332,475
Druggists' preparations	14	21	60	----------	80	54,452	63,773	195,677	3,722	525,659	326,260
Dyeing and finishing textiles	30	523	4,836	12,401	4,950	1,428,394	6,649,801	7,215,579	918,877	21,457,246	13,322,790
Electrical machinery, apparatus, and supplies	74	3,982	15,568	34,013	20,049	9,006,306	22,057,646	28,739,013	1,125,287	96,842,192	66,977,892
Electroplating	21	28	175	----------	456	65,490	266,473	100,684	25,685	633,710	507,341
Embroideries	5	3	45	----------	17	4,056	40,645	18,768	700	106,176	86,708
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	16	27	90	----------	101	72,481	151,304	56,478	3,354	445,999	386,167
Envelopes	7	40	140	10	157	88,333	148,632	380,854	5,663	869,164	482,647
Fancy and miscellaneous articles, not elsewhere classified	24	97	588	100	111	292,477	577,860	775,666	8,324	2,827,744	2,043,754
Feeds, prepared, for animals and fowls [1]	6	34	157	125	1,091	69,894	164,341	2,004,860	26,807	2,679,385	647,718
Flavoring extracts and flavoring sirups	23	91	119	75	246	293,368	141,132	1,077,455	11,260	2,364,456	1,275,721
Flour and other grain-mill products	4	1	10	----------	210	(3)	9,972	104,040	3,615	127,857	20,202
Food preparations, not elsewhere classified	33	151	393	114	729	522,013	450,993	1,990,242	96,943	4,623,294	2,536,109
Forgings, iron and steel, not made in plants operated in connection with rolling mills	6	30	152	675	1,102	124,852	219,213	447,929	101,781	1,201,767	652,057
Foundry and machine-shop products, not elsewhere classified	272	2,853	12,822	14,734	25,091	8,669,518	19,646,671	21,261,322	1,194,833	68,680,224	46,224,069
Furnishing goods, men's, not elsewhere classified	24	119	888	----------	101	340,940	844,521	2,927,145	16,035	5,717,449	2,774,269
Furniture, including store and office fixtures	143	739	4,704	2,236	6,897	2,021,979	7,348,245	11,862,529	263,147	26,516,390	14,390,714
Galvanizing and other coating, not done in plants operated in connection with rolling mills	4	11	46	----------	49	28,239	68,190	75,340	10,321	241,541	155,880
Gas and electric fixtures; lamps, lanterns, and reflectors	11	45	287	5	712	128,982	428,825	520,579	25,338	1,411,053	865,136
Gas, manufactured, illuminating and heating	14	1,260	2,653	14,183	3,922	2,417,233	4,189,983	5,593,410	5,044,313	27,418,846	16,781,123
Glass products (except mirrors) made from purchased glass	18	27	171	----------	103	125,755	258,664	295,245	10,299	959,050	653,506
Glue and gelatin	12	117	729	1,628	2,024	329,966	1,054,291	4,165,943	395,165	7,944,050	3,382,942
Hair work	3	9	22	----------	----------	18,336	19,236	19,046	----------	77,941	58,895
Hand stamps and stencils and brands	16	28	68	----------	67	41,042	109,478	125,111	3,675	422,441	293,652

See footnotes at end of this section, p. 238.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BOSTON INDUSTRIAL AREA—Continued						*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Hardware not elsewhere classified	14	50	356	78	741	119,894	485,711	647,245	27,372	1,526,306	851,689
Hats and caps, except felt and straw, men's	28	39	204	----------	52	90,432	272,941	520,699	7,315	1,152,844	631,430
House-furnishing goods, not elsewhere classified	71	204	1,197	----------	617	536,204	1,085,667	6,783,190	33,495	10,247,371	3,430,686
Ice cream	86	145	622	----------	4,758	390,595	959,897	4,506,873	235,251	9,730,283	4,988,179
Ice, manufactured	14	90	231	3,283	7,875	167,347	434,704	182,773	369,581	2,640,460	2,088,106
Instruments, professional and scientific [1]	25	254	671	15	744	638,765	959,486	1,201,151	39,107	5,142,346	3,902,088
Jewelry	23	114	774	----------	420	270,578	900,753	1,079,450	28,776	3,510,932	2,402,706
Jewelry and instrument cases [1]	10	73	496	----------	420	225,635	410,898	721,974	22,626	1,773,315	1,029,315
Knit goods	65	567	6,055	5,559	2,957	1,872,978	5,756,119	13,866,614	297,041	27,185,074	13,681,419
Labels and tags	8	15	60	----------	47	97,101	72,568	145,972	2,312	503,929	355,645
Lasts and related products	16	61	350	700	958	183,965	555,366	406,016	29,136	1,555,116	1,119,964
Leather goods, not elsewhere classified	21	30	198	50	206	75,037	186,443	290,486	10,013	755,155	454,656
Lumber and timber products, not elsewhere classified	14	29	244	1,804	1,099	156,491	297,707	725,809	22,374	1,393,492	645,309
Macaroni, spaghetti, vermicelli, and noodles [1]	10	32	192	100	787	82,213	195,561	834,273	43,945	1,382,148	503,930
Machine-tool accessories and small metal-working tools, not elsewhere classified	19	56	311	----------	474	131,977	504,999	238,034	27,250	1,382,621	1,117,337
Machine tools	10	129	628	85	1,909	317,898	941,950	805,924	51,617	3,319,461	2,461,920
Marble, granite, slate, and other stone products	123	231	1,795	5,800	7,866	729,919	3,170,136	1,866,114	251,891	8,444,181	6,326,476
Mattresses and bed springs, not elsewhere classified	39	103	518	----------	911	224,340	602,427	1,847,635	35,317	3,615,388	1,732,436
Meat packing, wholesale	22	450	1,886	2,967	3,932	873,790	2,613,152	45,027,488	363,535	51,402,636	6,011,613
Mirror and picture frames [1]	14	35	165	80	90	80,668	221,190	188,564	6,037	677,406	482,805
Mirrors, framed and unframed	5	26	97	75	70	58,289	139,636	255,044	8,013	609,519	346,462
Models and patterns, not including paper patterns	48	75	344	----------	384	220,565	619,919	217,297	13,619	1,526,351	1,295,435
Motor-vehicle bodies and motor-vehicle parts	35	315	3,232	30	4,687	901,247	4,654,830	7,328,932	190,288	15,115,457	7,596,227
Mucilage, paste, and other adhesives, except glue and rubber cement [1]	7	18	27	----------	146	45,944	34,389	239,953	6,681	501,373	254,739
Musical instrument parts and materials: Piano and organ [1]	7	28	195	410	191	79,776	227,771	167,881	12,328	534,174	353,965
Musical instruments: Organs	4	46	303	50	311	138,554	563,274	395,618	11,621	1,605,627	1,198,388
Musical instruments: Pianos [1]	8	100	858	687	1,249	247,235	1,297,585	1,680,596	62,382	3,097,415	1,954,437
Nonferrous-metal alloys and products, not including aluminum products	47	189	820	50	4,841	511,946	1,235,278	3,715,731	195,534	7,096,630	3,185,365
Oils, not elsewhere classified	7	33	39	10	187	96,828	58,225	861,214	8,214	1,203,544	334,116
Paints and varnishes	35	482	709	620	2,641	1,292,036	975,009	7,439,993	130,995	14,674,611	7,103,623
Paper	15	202	2,378	25,643	12,838	891,842	3,517,551	10,458,875	1,591,302	21,079,853	9,029,676
Paper goods, not elsewhere classified	31	637	2,303	1,563	16,739	1,353,222	3,046,388	8,249,475	161,794	13,405,406	4,994,137
Patent or proprietary medicines and compounds	52	605	1,452	1,209	588	1,792,130	2,180,713	5,724,188	87,352	18,754,157	12,942,617
Perfumes, cosmetics, and other toilet preparations	20	55	96	----------	49	145,033	94,797	629,411	1,701	1,860,282	1,229,170
Phonographs	3	53	343	----------	766	105,415	459,757	385,416	47,432	1,846,045	1,413,197
Photo-engraving, not done in printing establishments	31	180	533	----------	220	510,491	1,253,435	300,594	35,695	2,731,633	2,395,944
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	80	261	1,272	2,735	6,594	754,977	2,222,646	3,751,938	129,217	8,173,786	4,292,631
Pocketbooks, purses, and cardcases	8	32	165	6	52	73,605	163,966	393,863	3,930	830,723	432,990
Printing and publishing, book and job	490	2,399	7,786	1,870	8,778	6,498,565	12,640,492	11,585,874	388,912	52,933,967	40,959,181
Printing and publishing, music	9	169	82	----------	137	333,509	121,038	140,802	4,211	1,748,354	1,603,341
Printing and publishing, newspaper and periodical	227	4,981	3,961	299	12,043	12,030,022	9,901,529	17,015,494	426,318	61,393,921	43,952,109
Printing materials, not including type or ink	4	11	41	----------	54	51,682	61,540	58,821	2,981	308,441	246,639
Pumps (hand and power) and pumping equipment	12	154	318	290	791	384,680	488,773	1,181,866	33,498	2,988,786	1,773,422
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment [1]	8	22	181	125	204	99,317	299,632	271,986	5,812	906,083	628,285
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	33	74	325	50	1,236	169,916	512,918	3,593,449	64,269	4,764,756	1,107,038
Saws	4	5	14	25	32	10,384	25,761	42,993	1,523	142,311	97,795
Shirts	5	20	123	40	30	32,853	93,591	204,966	2,554	466,440	258,980
Signs and advertising novelties	20	60	300	----------	187	132,110	370,428	360,303	7,948	1,185,376	817,125
Silk and rayon manufactures	8	94	1,750	520	2,141	323,430	1,462,168	3,242,415	102,245	6,348,624	3,003,364
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	5	28	64	----------	201	69,034	83,462	1,711,743	23,589	2,039,966	304,634
Sporting and athletic goods, not including firearms or ammunition	5	15	138	14	179	59,063	130,581	311,410	8,964	688,453	368,279
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	19	112	507	300	848	404,066	666,722	1,138,989	51,571	2,928,521	1,738,351
Stationery goods, not elsewhere classified	8	106	542	30	257	183,256	667,124	1,308,342	17,895	2,765,926	1,370,169
Statuary and art goods, factory product [1]	9	19	117	----------	66	54,712	242,686	93,299	4,274	530,366	432,793
Stereotyping and electrotyping, not done in printing establishments	10	47	224	----------	891	168,005	362,168	108,625	28,820	903,891	766,446
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	61	257	1,050	300	3,707	848,965	1,880,547	3,720,622	114,103	8,620,192	4,785,467
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	21	64	107	100	652	247,062	158,395	1,220,349	30,797	2,456,859	1,205,743
Textile machinery and parts	32	314	2,712	3,750	2,451	917,046	3,296,625	3,195,810	174,554	10,195,060	6,824,716
Tools, not including edge tools, machine tools, files, or saws	17	122	480	38	2,048	303,403	624,077	811,849	82,054	2,638,601	1,744,698
Toys (not including children's wheel goods or sleds), games, and playground equipment	13	91	509	----------	669	281,547	516,913	1,066,192	26,629	2,570,128	1,483,307

See footnotes at end of this section, p. 238.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BOSTON INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Trimmings (not made in textile mills) and stamped art goods for embroidering	17	26	112	----------	35	61,057	121,033	484,539	6,845	862,308	370,924
Waste	6	26	172	150	597	96,210	168,576	788,519	19,526	1,249,499	441,394
Watch and clock materials and parts, except watchcases	5	10	103	----------	133	12,657	98,081	61,500	7,491	249,255	180,204
Window and door screens and weather strip [1]	27	38	173	163	386	56,913	239,120	331,768	10,967	831,243	488,508
Window shades and fixtures	17	34	100	----------	50	79,867	110,735	636,632	2,913	1,050,243	410,798
Wirework, not elsewhere classified	11	34	215	2	221	68,450	212,483	309,282	11,202	778,689	458,205
Wood turned and shaped and other wooden goods, not elsewhere classified	23	43	505	850	757	140,249	545,474	781,742	19,278	1,965,667	1,164,647
Woolen goods	27	402	6,339	19,064	5,777	1,184,303	7,887,258	16,133,174	665,272	29,475,471	12,677,025
Worsted goods	30	1,094	20,218	99,507	19,487	2,801,119	22,871,100	73,700,422	2,131,634	119,718,366	43,886,310
Other industries	820	11,263	67,217	115,994	163,094	29,820,180	90,940,966	292,042,790	14,477,797	568,986,758	262,466,171

[a] See GENERAL EXPLANATIONS—Duplication in cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for the following numbers of establishments located outside the area have been included in the items for the area to avoid disclosing the data reported by those establishments: Billiard and pool tables, bowling alleys, and accessories, 1; blacking, stains, and dressings, 1; canning and preserving—fish, crabs, shrimps, oysters, and clams, 1; feeds, prepared, for animals and fowls, 2; instruments, professional and scientific, 2; jewelry and instrument cases, 1; macaroni, spaghetti, vermicelli, and noodles, 2; mirror and picture frames, 1; mucilage, paste, and other adhesives, except glue and rubber cement, 1; musical-instrument parts and materials—piano and organ, 1; musical instruments—pianos, 2; refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment, 1; statuary and art goods, factory product, 1; window and door screens and weather strip, 2.
[2] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

PROVIDENCE-FALL RIVER-NEW BEDFORD INDUSTRIAL AREA

[This area comprises Providence County, R. I., and Bristol County, Mass. For statistics for the area as a whole, see report for Rhode Island]

All industries, total	2,289	18,183	184,895	329,959	408,999	*Dollars* 49,587,454	*Dollars* 203,018,932	*Dollars* 441,018,808	*Dollars* 20,556,077	*Dollars* 898,409,509	*Dollars* 436,834,624

WORCESTER INDUSTRIAL AREA

[This area is coextensive with Worcester County]

All industries, total	1,144	11,251	83,620	104,943	201,734	*Dollars* 31,015,420	*Dollars* 105,059,701	*Dollars* 206,949,187	*Dollars* 11,759,078	*Dollars* 462,225,239	*Dollars* 243,516,974
Beverages	28	27	82	----------	224	50,081	91,143	204,447	13,308	630,562	412,807
Bookbinding and blank-book making	4	13	148	----------	75	30,820	112,557	78,137	3,175	329,935	248,643
Boots and shoes, other than rubber	28	415	5,206	755	2,222	1,091,083	5,099,756	12,671,796	134,793	21,222,958	8,416,369
Boxes, paper, not elsewhere classified	10	33	274	----------	245	75,701	234,708	302,929	11,773	788,329	473,627
Boxes, wooden, except cigar boxes	8	26	221	530	1,069	89,216	258,227	554,627	8,798	1,123,892	560,467
Bread and other bakery products	106	89	753	----------	1,142	200,495	1,077,761	2,650,160	153,136	5,183,295	2,379,999
Carriages and sleds, children's [2]	10	132	1,436	340	960	334,340	1,653,125	2,803,720	37,828	6,404,295	3,472,747
Clay products (other than pottery) and nonclay refractories	3	5	40	----------	305	9,540	40,465	6,787	13,092	98,035	78,156
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	10	16	326	----------	45	28,442	276,717	494,668	5,299	982,141	482,174
Clothing, women's, not elsewhere classified	25	63	535	----------	126	131,970	460,995	1,281,803	10,808	2,232,989	940,378
Combs and hairpins, not made from metal or rubber [2]	13	86	531	573	263	180,823	505,875	656,593	26,382	1,772,768	1,089,793
Concrete products	6	7	35	63	121	13,643	52,396	39,480	3,146	143,912	101,286
Confectionery	7	11	47	----------	29	15,350	55,494	135,274	7,733	284,765	141,758
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	11	15	93	9	148	48,682	187,684	239,871	7,912	606,152	358,369
Corsets and allied garments	7	149	569	500	77	315,528	534,295	1,188,335	7,980	2,516,096	1,319,781
Cotton goods	18	221	3,740	10,267	10,251	727,135	3,248,527	8,244,451	399,317	14,892,542	6,248,774
Dyeing and finishing textiles	9	193	1,230	3,712	347	545,029	1,594,740	2,316,621	294,008	5,855,017	3,244,388
Electrical machinery, apparatus, and supplies	6	51	211	----------	268	105,590	210,291	393,727	14,802	834,939	426,410
Electroplating	8	24	146	----------	352	48,996	159,846	67,288	19,172	426,880	340,420
Engines, turbines, tractors, and water wheels	4	17	125	225	256	42,922	186,644	105,631	13,407	444,786	325,748
Envelopes	7	176	963	1,075	404	417,154	1,111,874	2,808,810	29,072	5,505,176	2,667,294
Flour and other grain-mill products	6	8	22	55	539	10,870	28,190	771,480	8,947	882,702	102,275
Foundry and machine-shop products, not elsewhere classified	82	848	3,577	963	13,463	2,944,050	5,568,979	6,857,751	431,565	21,864,373	14,575,057
Furniture, including store and office fixtures	61	411	3,714	5,196	5,756	1,148,543	4,321,699	6,209,775	215,248	14,432,702	8,007,679
Gas, manufactured, illuminating and heating	9	214	343	192	757	301,538	521,935	317,671	830,772	3,463,674	2,345,231
Hats and caps, except felt and straw, men's	5	2	7	----------	5	(4)	9,497	23,759	686	49,830	25,385
House-furnishing goods, not elsewhere classified	7	17	85	----------	46	23,599	53,942	375,201	2,920	568,011	189,890
Ice cream	16	27	88	15	837	94,596	121,040	693,620	30,232	1,396,946	673,094
Knit goods	7	101	448	----------	382	204,282	380,138	1,874,651	13,695	2,806,217	917,871
Machine-tool accessories and small metal-working tools, not elsewhere classified	10	101	827	590	809	320,176	1,279,055	639,985	85,228	4,321,619	3,596,406
Machine tools	11	656	2,178	160	9,362	1,603,327	3,777,750	3,125,151	152,599	14,084,281	10,806,531
Mattresses and bed springs, not elsewhere classified	8	12	48	----------	74	16,747	52,663	183,808	4,292	338,057	149,957
Models and patterns, not including paper patterns	9	5	92	----------	195	7,678	185,388	51,905	4,482	353,927	297,540
Nonferrous-metal alloys and products, not including aluminum products	9	36	172	----------	712	185,386	232,358	1,059,135	38,947	1,842,201	744,119

See footnotes at end of this section, p. 239.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
WORCESTER INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Paper	8	177	1,962	14,804	8,460	866,723	2,848,953	11,384,961	1,424,479	20,710,743	7,901,303
Paper goods, not elsewhere classified	7	71	464	720	2,098	288,448	633,422	3,424,455	89,530	5,424,322	1,910,337
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	20	42	312	1,080	1,586	113,607	421,187	601,856	32,070	1,421,891	787,965
Printing and publishing, book and job	48	89	343		432	218,336	467,440	510,771	21,625	1,872,863	1,340,467
Printing and publishing, newspaper and periodical	28	283	691	10	1,106	765,837	1,349,821	1,064,732	66,134	5,574,555	4,443,689
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	4	9	44		263	23,760	65,627	536,561	9,493	694,534	148,480
Screw-machine products and wood screws	10	270	1,387		4,684	639,827	1,962,581	2,027,862	144,141	6,144,766	3,972,763
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	17	141	766	111	4,004	496,580	1,079,189	1,195,829	95,317	3,764,513	2,473,367
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	35	173		550	123,361	276,736	670,285	14,191	1,367,419	682,943
Textile machinery and parts	33	860	6,218	5,151	10,835	2,594,726	8,890,671	6,517,710	410,564	24,444,997	17,516,723
Toys (not including children's wheel goods or sleds), games, and playground equipment	9	79	630	1,636	557	221,884	556,313	1,264,647	19,447	2,693,476	1,409,382
Waste	5	10	41	150	227	34,419	44,703	422,061	9,732	582,088	150,295
Wirework, not elsewhere classified	8	142	1,251	550	1,750	255,541	1,452,716	3,193,918	89,275	5,767,741	2,484,548
Wood turned and shaped and other wooden goods, not elsewhere classified	13	19	129	182	568	46,929	129,297	165,427	9,655	442,986	267,904
Woolen goods	48	357	5,732	8,248	10,678	1,291,587	6,432,296	12,562,568	742,400	25,454,008	12,149,040
Worsted goods	22	307	6,037	14,103	9,347	1,158,045	6,662,821	20,827,261	656,237	34,418,753	12,935,255
Other industries [1]	292	4,153	29,128	32,948	92,743	10,512,478	38,060,154	81,059,236	4,890,234	182,731,560	96,782,090

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The items for each of the 2 industries covered by this footnote include data for 1 establishment located outside the area, to avoid disclosing the figures reported by the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the area are not affected by these counterbalancing adjustments.
[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
[5] See footnote 3.

SPRINGFIELD-HOLYOKE INDUSTRIAL AREA

[This area is coextensive with Hampden County. Because of the amount of manufacturing industry in this area, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Electrical machinery, apparatus, and supplies"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	667	8,938	54,208	120,735	131,278	*Dollars* 23,490,588	*Dollars* 70,847,652	*Dollars* 153,765,332	*Dollars* 7,595,179	*Dollars* 41,184,468	*Dollars* 179,823,957

BERKSHIRE COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Electrical machinery, apparatus, and supplies"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	177	2,642	20,115	49,869	31,554	*Dollars* 6,436,465	*Dollars* 25,724,498	*Dollars* 47,811,812	*Dollars* 3,423,067	*Dollars* 110,935,084	*Dollars* 59,700,205

BRISTOL COUNTY

All industries, total	794	5,633	76,620	181,955	177,746	*Dollars* 15,069,163	*Dollars* 77,369,310	*Dollars* 159,310,783	*Dollars* 8,669,754	*Dollars* 319,685,864	*Dollars* 151,705,327
Beverages	20	34	100	125	238	114,936	116,879	418,829	12,496	1,045,740	614,415
Boots and shoes, other than rubber	5	10	136	150	48	19,903	94,567	206,052	3,568	442,037	232,417
Bread and other bakery products	123	28	599	15	679	48,066	715,605	2,078,853	104,798	3,966,264	1,782,613
Clay products (other than pottery) and non-clay refractories	4	19	147	130	291	54,427	176,967	49,738	50,140	473,884	374,006
Cotton goods	72	1,425	47,748	134,042	121,406	4,396,351	43,722,666	76,211,639	4,753,243	150,294,044	69,320,162
Cotton small wares	9	20	313	175	709	77,227	241,226	939,260	29,099	1,509,356	540,997
Dyeing and finishing textiles	12	536	4,626	25,011	1,331	1,492,700	5,046,645	21,298,376	940,360	34,468,851	12,230,115
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	12	11	178		106	19,223	287,653	46,859	6,801	561,125	507,465
Fancy and miscellaneous articles, not elsewhere classified	9	75	252	100	265	193,426	303,173	173,826	11,722	1,009,615	824,067
Foundry and machine-shop products, not elsewhere classified	29	84	536	6	1,637	221,732	789,785	1,016,311	62,329	2,754,973	1,676,333
Hats, fur-felt	4	29	241		267	66,352	227,548	702,995	16,084	1,245,792	526,713
Ice cream	12	15	72		546	21,617	106,164	405,078	21,214	877,473	451,181

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BRISTOL COUNTY—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Jewelry	94	640	4,608	505	3,617	1,776,045	5,876,776	11,275,018	170,189	24,403,191	12,957,984
Machine-tool accessories and small metal-working tools, not elsewhere classified	7	224	1,199	950	2,995	421,498	1,433,130	742,707	118,050	4,499,546	3,638,789
Marble, granite, slate, and other stone products	5	7	22	20	261	20,537	36,320	14,838	6,101	115,118	94,179
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	15	36	213	925	1,476	73,180	303,328	665,268	18,751	1,290,008	605,989
Printing and publishing, book and job	32	34	175		276	61,169	223,379	192,660	10,382	746,070	543,028
Printing and publishing, newspaper and periodical	14	267	306		857	601,727	472,936	465,132	35,108	2,568,502	2,068,262
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	14	10	70		265	34,223	90,732	669,177	10,548	921,279	241,554
Silk and rayon manufactures	18	130	2,234	1,275	6,642	318,007	2,165,545	8,135,765	154,967	14,878,624	6,587,892
Stoves and ranges (other than electric) and warm-air furnaces	6	128	1,105	75	2,513	381,049	1,565,913	1,301,750	123,985	4,581,384	3,155,649
Textile machinery and parts	38	162	1,124	95	4,130	536,437	1,362,106	1,161,472	100,086	4,040,409	2,778,851
Toys (not including children's wheel goods or sleds), games, and playground equipment	3	10	74		50	22,454	55,629	45,270	1,977	140,271	93,024
Other industries	237	1,699	10,542	18,356	27,141	4,096,877	11,955,638	31,093,910	1,907,756	62,852,308	29,850,642
ESSEX COUNTY											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	1,397	10,219	83,897	222,943	100,613	25,100,950	105,899,366	225,287,988	8,742,823	463,552,485	229,521,674
Awnings, tents, sails, and canvas covers	7	3	22		14	7,073	33,526	51,616	956	133,857	81,285
Blacking, stains, and dressings	20	48	94	30	85	127,435	111,609	571,489	6,864	1,221,918	643,565
Bookbinding and blank-book making	3	2	10		28	(c)	13,864	9,082	969	43,432	33,381
Boot and shoe findings, not made in boot and shoe factories	145	363	2,365	350	4,162	811,994	2,527,131	6,596,690	123,953	12,365,523	5,644,880
Boots and shoes, other than rubber	239	1,635	17,681	1,320	6,053	3,933,919	21,067,677	35,098,761	357,131	72,691,458	37,135,566
Bread and other bakery products	149	93	946		150	293,145	1,297,274	3,317,846	173,628	7,122,531	3,631,057
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	10	117	823	53	1,130	353,358	906,810	3,333,153	36,729	5,614,817	2,144,935
Carpets and rugs, rag	3		9		9		8,808	12,090	618	30,635	18,027
Clothing, women's, not elsewhere classified	6	11	184		29	39,882	153,070	363,536	3,472	772,981	405,973
Concrete products	5	1	12	20	23	(c)	16,528	22,000	1,283	59,913	36,630
Cotton goods	8	126	3,466	26,872	16,534	399,535	3,294,193	7,480,970	470,077	15,191,031	7,239,984
Electrical machinery, apparatus, and supplies	12	2,412	9,691	32,000	5,762	5,152,419	16,016,660	12,546,073	659,494	55,250,955	42,045,388
Fancy and miscellaneous articles, not elsewhere classified	4	20	46		72	24,638	56,003	197,545	1,424	354,328	155,359
Food preparations, not elsewhere classified	5	6	35		50	32,406	37,730	152,526	4,704	291,823	134,593
Foundry and machine-shop products, not elsewhere classified	78	852	3,888	8,091	3,410	1,808,794	6,069,101	2,930,817	261,698	14,326,320	11,133,805
Glue and gelatin	5	88	530	1,385	1,101	234,383	768,887	2,721,676	236,721	5,064,777	2,106,380
Ice cream	15	35	145		1,345	105,377	241,594	951,881	56,950	2,133,440	1,124,609
Leather goods, not elsewhere classified	10	13	106	50	130	35,999	111,294	108,604	5,621	361,681	247,456
Marble, granite, slate, and other stone products	15	26	410	2,225	1,012	75,244	702,197	72,351	62,175	1,273,662	1,139,136
Mattresses and bed springs, not elsewhere classified	8	11	130		156	16,872	108,669	324,404	6,748	572,830	242,618
Models and patterns, not including paper patterns	19	22	127		58	73,351	239,198	57,835	3,390	561,107	499,882
Motor-vehicle bodies and motor-vehicle parts	10	211	2,345		3,665	598,246	3,546,376	5,810,052	152,647	11,407,829	6,445,130
Nonferrous-metal alloys and products, not including aluminum products	6	5	20		58	10,775	33,358	54,834	5,713	136,731	76,184
Paper	5	70	816	9,344	931	267,445	1,154,913	3,487,701	434,960	6,864,922	2,942,261
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	18	45	248	500	1,442	121,103	386,667	654,776	26,662	1,439,366	757,928
Printing and publishing, book and job	55	55	285		436	134,265	401,421	426,199	18,476	1,436,258	991,583
Printing and publishing, newspaper and periodical	30	301	404	100	1,290	732,958	844,514	554,071	52,107	3,328,994	2,722,816
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	9	7	41	20	190	22,443	57,674	393,021	9,099	646,961	144,841
Ship and boat building, steel and wooden, including repair work	21	26	251	128	239	39,435	395,286	358,208	9,886	1,045,491	677,397
Wood turned and shaped and other wooden goods, not elsewhere classified	7	20	247	400	426	75,030	254,481	433,664	10,284	944,683	500,735
Woolen goods	6	143	1,939	4,635	1,505	472,404	2,232,257	5,943,780	183,653	9,816,016	3,688,583
Wool shoddy	3	19	85		855	54,842	108,863	269,457	33,479	547,799	244,863
Worsted goods	14	940	16,949	95,067	12,664	2,208,709	19,430,347	61,102,445	1,752,282	99,208,462	36,353,735
Other industries	448	2,493	19,547	40,353	35,599	6,837,471	24,271,586	68,873,775	3,580,070	131,589,954	59,131,109
HAMPDEN COUNTY. (SEE SPRINGFIELD-HOLYOKE INDUSTRIAL AREA)											

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
MIDDLESEX COUNTY											
All industries, total	1,642	15,658	97,269	159,135	184,510	*Dollars* 40,629,966	*Dollars* 121,268,881	*Dollars* 339,147,209	*Dollars* 19,143,327	*Dollars* 681,335,680	*Dollars* 323,045,144
Awnings, tents, sails, and canvas covers	8	1	21		9	(7)	23,660	40,154	879	106,512	65,479
Beverages	41	66	173	50	498	126,563	214,819	606,356	25,670	1,791,243	1,159,217
Blacking, stains, and dressings	8	77	156	176	62	263,979	191,736	827,230	7,160	1,898,434	1,064,044
Boot and shoe findings, not made in boot and shoe factories	17	85	578	18	649	302,189	622,230	1,431,299	30,863	2,977,016	1,514,854
Boots and shoes, other than rubber	45	663	8,162	1,085	2,830	1,692,847	8,328,832	16,505,581	177,648	30,842,460	14,159,231
Boxes, paper, not elsewhere classified	27	261	1,894	95	1,779	625,569	1,875,360	4,286,504	94,714	8,239,899	3,848,681
Boxes, wooden, except cigar boxes	12	42	555	2,373	113	89,031	638,157	1,382,758	15,100	2,344,409	947,551
Bread and other bakery products	197	280	3,469	900	2,832	643,161	4,361,069	12,734,007	437,357	27,268,904	14,097,540
Brushes, other than rubber	4	22	85	60	67	48,776	82,489	174,872	6,438	354,958	173,648
Carpets and rugs, rag	3	7	32		23	10,394	21,905	27,154	787	99,483	71,542
Cigars and cigarettes	6		14				12,183	18,203	25	42,819	24,591
Cleaning and polishing preparations	12	45	28		207	99,079	32,431	166,816	2,779	445,322	275,727
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	11	41	534		210	142,855	571,116	1,359,589	19,325	2,387,770	1,008,856
Clothing, women's, not elsewhere classified	27	106	829		190	260,817	670,310	1,859,557	16,413	3,377,031	1,501,061
Concrete products	20	49	209		613	204,578	312,034	448,407	33,684	1,277,082	794,991
Confectionery	47	448	2,848	829	4,090	1,172,552	2,593,293	9,209,222	214,684	16,971,187	7,547,281
Cotton goods	10	252	4,952	39,153	5,009	726,140	4,994,691	6,671,252	460,529	15,799,666	8,667,885
Cotton small wares	11	42	489	240	309	103,725	515,690	1,009,921	31,745	2,127,205	1,085,539
Dyeing and finishing textiles	8	133	1,036	3,506	801	323,215	1,198,126	1,354,346	193,259	3,631,034	2,083,429
Electrical machinery, apparatus, and supplies	22	784	2,565	553	9,356	1,959,101	3,136,346	9,166,684	233,363	20,060,616	10,660,569
Fancy and miscellaneous articles, not elsewhere classified	5	10	85	100	21	33,429	83,788	125,233	4,261	301,646	172,152
Felt goods, wool, hair, or jute	4	16	119	234	441	76,004	172,112	657,524	29,672	1,133,316	446,220
Food preparations, not elsewhere classified	10	45	142		233	139,365	142,128	878,054	31,611	1,741,013	831,348
Foundry and machine-shop products, not elsewhere classified	79	472	2,558	1,043	6,122	1,951,724	3,747,730	3,912,271	259,984	14,031,623	9,859,368
Furnishing goods, men's, not elsewhere classified	4	17	148		23	50,956	120,440	396,198	3,133	665,282	265,951
Furniture, including store and office fixtures	44	397	2,410	1,296	4,344	975,917	3,732,669	5,869,907	151,485	13,282,352	7,260,960
Gas, manufactured, illuminating and heating	6	990	1,913	10,207	982	1,923,753	3,249,930	4,471,473	3,364,807	20,842,947	13,006,667
Gold leaf and foil	12	12	102	3	56	16,109	92,272	138,297	3,292	299,023	157,434
Ice cream	38	90	345		2,324	225,741	510,126	2,496,074	132,158	5,338,074	2,709,842
Ice, manufactured	4	13	27	200	1,620	22,815	50,754	10,969	55,225	322,635	256,501
Knit goods	30	428	4,026	5,117	1,657	1,193,662	3,497,236	8,658,267	181,058	17,269,580	8,430,255
Machine tools	7	115	538	50	1,684	278,969	798,476	713,946	41,863	2,894,390	2,138,581
Marble, granite, slate, and other stone products	21	70	590	1,695	2,102	301,016	947,077	374,758	75,139	2,403,089	1,953,192
Mattresses and bed springs, not elsewhere classified	10	43	175		240	80,914	167,728	492,478	11,987	1,089,291	584,826
Meat packing, wholesale	8	408	1,564	2,877	3,627	711,930	2,187,734	36,045,247	330,978	40,871,960	4,495,735
Models and patterns, not including paper patterns	9	14	96		222	45,751	153,188	99,430	4,887	390,601	286,284
Motor-vehicle bodies and motor-vehicle parts	15	63	687	25	661	208,583	813,823	1,178,869	24,218	2,733,709	1,530,622
Nonferrous-metal alloys and products, not including aluminum products [8]	15	61	449		4,086	130,513	649,708	1,769,324	122,032	3,230,429	1,339,073
Paints and varnishes	11	315	414	225	1,143	784,448	557,492	4,949,365	61,835	9,956,786	4,945,566
Paper	7	82	725	9,470	8,517	286,507	1,118,650	3,679,178	556,749	6,863,165	2,627,238
Paper goods, not elsewhere classified	19	604	2,197	1,963	16,330	1,271,677	2,925,465	7,633,664	142,602	12,360,388	4,584,122
Patent or proprietary medicines and compounds	17	121	323	139	239	386,748	360,202	1,098,229	19,861	3,922,117	2,804,027
Perfumes, cosmetics, and other toilet preparations	7	16	26		19	25,964	26,405	113,844	757	355,799	241,198
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	29	103	426	725	2,898	307,576	800,129	1,149,774	53,586	2,715,499	1,512,139
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	9	47	209	63	622	118,348	310,479	704,106	36,669	1,513,786	773,011
Printing and publishing, book and job	93	518	2,606	750	2,450	1,360,458	4,360,473	4,732,068	109,432	17,800,556	12,959,056
Printing and publishing, newspaper and periodical	58	363	401		888	752,719	732,740	379,979	43,516	3,477,578	3,054,083
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	11	77	379	300	634	289,663	508,743	761,295	41,561	2,072,842	1,269,986
Stereotyping and electrotyping, not done in printing establishments	3	5	24		221	5,165	45,972	12,953	3,938	121,150	104,259
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	26	130	534	300	2,464	424,317	952,512	2,360,228	76,681	5,107,438	2,670,529
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	6	15	28	50	218	43,319	43,279	482,600	9,672	795,317	303,045
Textile machinery and parts	14	157	1,182	2,074	1,055	437,387	1,460,714	1,390,203	88,386	4,843,914	3,365,325
Vinegar and cider	7	10	51	75	209	23,827	61,599	296,605	6,053	525,662	223,004
Watch and clock materials and parts, except watchcases	5	10	103		133	12,657	98,081	61,560	7,491	249,255	180,204
Window and door screens and weather strip	13	22	97	133	183	34,904	138,480	182,135	5,067	463,676	276,474
Wood turned and shaped and other wooden goods, not elsewhere classified	10	20	231	450	216	57,065	242,012	320,232	6,419	900,769	574,118
Woolen goods	11	179	3,149	11,674	1,537	429,976	4,061,762	7,636,388	318,063	14,143,907	6,189,456
Wool scouring	6	30	303	1,100	916	111,891	444,177	103,412	85,276	1,027,248	838,560
Wool shoddy	4	17	94	575	227	79,234	127,814	193,910	25,155	510,920	291,855
Other industries [9, 10]	419	6,144	39,154	60,184	83,289	16,275,392	50,415,905	163,337,310	10,615,326	320,733,798	146,781,162

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[7] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

[8] The figures for the "Nonferrous-metal alloys and products, not including aluminum products" industry include data for one establishment located outside the county, to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[9] The figures for this item include data for the "Boots and shoes, rubber" industry, which reported a larger number of wage earners than any other industry in the county and for the "Soap" industry, which reported a larger value of products than any other industry in the county. Separate figures can not be given for either of these industries without disclosing approximations of the data for individual establishments.

[10] See footnote 7.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NORFOLK COUNTY											
All industries, total	461	4,134	22,523	33,998	54,592	*Dollars* 11,404,506	*Dollars* 30,742,379	*Dollars* 78,446,369	*Dollars* 2,798,156	*Dollars* 162,980,063	*Dollars* 81,735,538
Awnings, tents, sails, and canvas covers	3	2	5	----------	3	(11)	6,893	13,726	436	37,422	23,260
Boot and shoe findings, not made in boot and shoe factories	6	13	85	83	171	44,049	95,847	370,652	15,099	633,036	247,285
Boots and shoes, other than rubber	20	337	3,558	655	1,537	916,641	4,180,346	9,373,014	100,619	18,736,299	9,262,666
Boxes, wooden, except cigar boxes	3	6	29	212	133	11,428	26,029	76,140	2,703	151,506	72,663
Bread and other bakery products	39	10	117	----------	138	23,101	174,102	449,917	23,545	963,895	490,433
Clothing, women's, not elsewhere classified	3	11	58	----------	19	28,543	45,422	202,062	1,349	335,802	132,391
Concrete products	7	5	37	3	93	9,440	65,765	31,604	2,084	137,060	103,372
Dyeing and finishing textiles	10	179	740	1,939	2,255	494,812	848,330	2,071,615	186,061	4,546,197	2,288,521
Felt goods, wool, hair, or jute	5	24	352	624	830	134,575	505,569	2,246,664	65,899	3,441,204	1,128,641
Foundry and machine-shop products, not elsewhere classified	20	359	1,165	940	2,363	821,621	2,002,783	1,682,702	112,194	6,823,968	5,029,072
Ice cream	7	3	12	----------	129	4,014	16,082	99,506	6,321	188,828	83,001
Knit goods	19	62	852	288	697	334,126	921,996	2,982,002	64,968	5,220,886	2,173,916
Marble, granite, slate, and other stone products	78	90	576	1,730	3,310	224,868	1,091,045	990,562	84,140	3,446,320	2,371,618
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	7	45	233	----------	827	129,578	332,031	577,992	17,034	1,318,220	723,194
Printing and publishing, book and job	31	136	1,152	910	704	584,576	1,919,588	862,269	44,313	4,534,666	3,628,084
Printing and publishing, newspaper and periodical	20	389	135	----------	260	1,054,163	200,776	157,702	16,013	2,722,133	2,548,418
Woolen goods	10	80	1,251	2,755	2,735	281,923	1,593,239	2,553,006	163,556	5,515,548	2,798,986
Wool shoddy	8	30	174	965	1,285	100,088	209,741	1,222,380	61,235	1,863,128	579,513
Other industries	165	2,353	11,992	22,894	37,103	6,206,960	16,506,795	52,482,854	1,830,587	102,363,945	48,050,504
PLYMOUTH COUNTY											
All industries, total	405	2,910	22,600	18,555	24,964	*Dollars* 7,066,960	*Dollars* 27,264,410	*Dollars* 67,331,779	*Dollars* 1,634,994	*Dollars* 130,048,112	*Dollars* 61,081,339
Beverages	7	7	21	4	49	7,951	24,236	62,629	3,150	164,174	98,395
Blacking, stains, and dressings	15	38	34	40	28	80,689	47,192	222,156	3,420	655,356	429,780
Boots and shoes, other than rubber	51	1,358	13,048	5,485	4,819	3,041,089	15,686,086	33,121,225	309,842	64,977,562	31,546,495
Boxes, paper, not elsewhere classified	6	22	123	50	65	52,709	112,183	129,108	4,590	381,226	247,528
Boxes, wooden, except cigar boxes	5	10	126	225	635	13,044	136,237	238,142	13,126	496,806	245,538
Bread and other bakery products	38	36	264	150	475	61,360	402,161	840,680	46,077	1,949,972	1,063,215
Concrete products	6	1	9	33	23	(12)	12,298	16,318	1,012	44,931	27,601
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	5	16	----------	3	7,800	28,077	24,078	258	87,164	62,828
Cotton small wares	6	18	283	----------	311	52,949	296,295	800,082	21,252	1,444,684	623,350
Electrical machinery, apparatus, and supplies	6	29	255	35	166	79,157	237,853	398,044	9,319	899,199	491,836
Foundry and machine-shop products, not elsewhere classified	16	75	673	345	823	233,983	981,737	586,821	53,819	2,549,336	1,908,696
Ice cream	16	19	78	----------	762	40,923	108,592	496,442	28,540	1,213,176	688,194
Lumber and timber products, not elsewhere classified	12	12	98	595	740	23,998	101,539	120,041	9,620	320,581	190,920
Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills	10	50	333	425	1,078	145,908	439,302	792,873	52,502	1,812,368	966,993
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	3	3	11	----------	181	4,940	20,132	14,339	3,471	52,280	34,470
Printing and publishing, book and job	24	66	198	----------	279	154,321	267,947	374,486	14,047	1,214,064	825,531
Printing and publishing, newspaper and periodical	9	109	132	----------	327	201,409	236,813	170,244	11,552	937,380	755,584
Tools, not including edge tools, machine tools, files, or saws	4	5	27	60	57	12,122	31,852	14,751	4,248	89,282	70,283
Worsted goods	4	82	831	1,078	565	303,155	1,148,043	3,921,231	55,068	5,744,311	1,768,012
Other industries	164	965	6,040	10,030	13,578	2,549,453	6,945,835	24,988,089	990,081	45,014,260	19,036,090

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[11] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[12] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products[a]	Value added by manufacture[b]
				Prime movers	Electric motors driven by purchased energy						
SUFFOLK COUNTY											
[Tbe totals for all industries do not include data for a few establishments located outside the county (see footnote 13), and therefore are slightly smaller than tbe sums of the items for tbe individual industries]											
All industries, total	2,894	18,885	81,963	54,053	126,613	*Dollars* 50,889,538	*Dollars* 113,784,105	*Dollars* 295,675,429	*Dollars* 7,307,654	*Dollars* 642,549,288	*Dollars* 339,566,205
Awnings, tents, sails, and canvas covers	25	49	177	----------	66	130,503	257,850	442,211	4,480	1,085,169	638,478
Beverages	44	168	491	1,342	917	483,523	717,460	1,935,248	86,825	5,398,443	3,376,370
Billiard and pool tables, bowling alleys, and accessories[13]	5	7	33	----------	104	17,300	60,163	70,671	1,972	237,200	164,557
Blacking, stains, and dressings	13	38	88	35	94	118,297	130,509	415,945	5,864	1,005,326	583,517
Bookbinding and blank-book making	49	126	886	----------	620	323,744	1,151,274	499,985	27,902	2,716,356	2,188,469
Boot and shoe cut stock, not made in boot and shoe factories	29	208	878	----------	989	583,046	1,116,278	21,075,357	36,827	24,953,711	3,841,527
Boot and shoe findings, not made in boot and shoe factories	21	75	616	150	1,351	218,558	642,736	2,379,899	40,246	3,920,474	1,500,329
Boots and shoes, other than rubber	44	624	6,742	1,875	2,651	1,526,454	9,091,432	13,999,232	183,721	29,684,740	15,501,787
Boxes, paper, not elsewhere classified	29	170	1,319	250	1,128	462,300	1,280,117	2,665,976	56,436	5,459,168	2,736,756
Bread and other bakery products	274	382	2,856	947	3,896	790,000	3,737,501	11,040,849	451,044	23,564,548	12,072,655
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	14	104	230	415	160	243,334	257,163	2,067,688	29,827	3,415,201	1,317,686
Carpets and rugs, rag	4	1	19	----------	4	(14)	16,354	25,016	854	54,217	28,347
Cigars and cigarettes	25	104	832	----------	173	357,891	868,021	2,138,560	11,795	4,871,560	2,721,205
Cleaning and polishing preparations	7	32	20	----------	52	77,925	21,386	111,686	1,554	375,798	262,558
Clothing (except work clothing), men's youths', and boys', not elsewhere classified	125	389	3,941	440	549	1,123,921	4,967,310	12,330,612	93,075	24,232,952	11,809,265
Clothing, women's, not elsewhere classified	233	531	4,723	15	859	1,495,746	6,018,139	18,144,852	93,285	33,926,603	15,688,466
Cloth sponging and refinishing	4	5	41	----------	57	15,320	57,588	1,640	2,680	119,701	115,381
Concrete products	9	48	257	----------	555	146,910	534,572	206,475	19,595	1,020,553	794,483
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	38	131	649	75	693	427,484	1,073,555	1,616,302	40,549	4,024,115	2,367,264
Druggists' preparations	8	6	24	----------	24	23,523	25,658	106,781	1,513	243,569	135,275
Electroplating	14	22	122	----------	301	47,055	179,187	77,506	17,668	457,782	362,608
Embroideries	5	3	45	----------	17	4,056	40,645	18,768	700	106,176	86,708
Engraving, steel and copperplate, and plate printing	18	80	306	----------	164	194,612	405,118	325,436	8,065	1,607,261	1,273,760
Envelopes	7	40	140	10	157	88,333	148,632	380,854	5,663	869,164	482,647
Fancy and miscellaneous articles, not elsewhere classified	15	67	457	----------	18	234,410	438,069	452,888	2,639	2,171,770	1,716,243
Food preparations, not elsewhere classified[13]	18	100	216	114	446	350,242	271,135	959,662	60,628	2,390,458	1,570,168
Foundry and machine-shop products, not elsewhere classified	95	1,170	5,211	4,660	13,186	4,087,379	7,827,057	12,735,532	560,957	33,498,313	20,201,824
Fur goods	25	61	217	----------	78	202,739	440,497	1,059,609	6,507	2,185,230	1,119,114
Furnishing goods, men's, not elsewhere classified	20	102	740	----------	78	289,984	724,081	2,530,947	12,902	5,052,167	2,508,318
Furniture, including store and office fixtures	90	324	2,226	915	2,420	1,010,951	3,508,753	5,821,895	108,471	12,852,361	6,921,995
Glass products (except mirrors) made from purchased glass	11	18	96	----------	7	67,669	168,868	53,758	918	409,382	354,706
Hardware not elsewhere classified	8	15	70	3	97	50,518	80,185	109,616	4,027	343,572	229,929
Hats and caps, except felt and straw, men's[13]	28	39	204	----------	52	90,432	272,941	520,099	7,315	1,158,844	631,430
House-furnishing goods, not elsewhere classified	51	159	957	----------	306	362,476	845,117	5,220,849	20,704	7,832,023	2,590,470
Ice cream	26	17	120	----------	960	55,463	192,095	959,412	39,802	2,069,941	1,070,727
Ice, manufactured	5	61	177	2,775	4,936	110,025	324,117	63,204	245,287	1,875,408	1,566,917
Instruments, professional and scientific	9	53	228	15	291	168,523	328,193	241,486	12,594	987,410	733,370
Leather goods, not elsewhere classified	7	9	47	----------	29	18,646	35,181	70,675	2,468	166,528	93,385
Macaroni, spagbetti, vermicelli, and noodles	6	30	181	100	715	80,313	181,032	773,883	38,544	1,283,394	470,967
Machine-tool accessories and small metal-working tools, not elsewhere classified	10	11	83	----------	103	34,900	166,909	49,782	6,085	356,803	300,936
Marble, granite, slate, and other stone products	9	40	219	160	1,442	128,791	429,817	428,443	30,137	1,321,110	862,530
Mattresses and bed springs, not elsewhere classified	21	49	213	----------	515	126,554	326,130	1,030,693	17,582	1,953,267	904,992
Meat packing, wholesale	14	42	322	90	305	161,860	425,418	8,982,241	32,557	10,530,676	1,515,878
Millinery	22	47	427	20	146	111,270	431,931	1,137,310	13,957	2,152,944	1,001,677
Mirror and picture frames	9	14	74	----------	38	33,825	109,368	95,672	2,335	353,643	255,636
Mirrors, framed and unframed	5	26	97	75	70	58,289	139,636	255,044	8,013	609,519	346,462
Models and patterns, not including paper patterns	20	39	121	----------	104	101,463	227,533	60,032	5,342	574,643	509,269
Nonferrous-metal alloys and products, not including aluminum products	26	123	351	50	697	361,658	552,212	1,891,573	67,789	3,729,470	1,770,108
Paints and varnishes	17	127	238	335	1,237	403,675	343,468	1,854,348	58,750	3,647,745	1,734,647
Paper goods, not elsewhere classified	9	17	55	----------	158	43,398	61,961	198,775	6,754	417,693	212,164
Patent or proprietary medicines and compounds	28	389	1,048	950	168	1,185,225	1,704,113	4,019,652	57,033	11,699,079	7,622,394
Perfumes, cosmetics, and other toilet preparations[13]	13	39	70	----------	30	119,069	68,392	515,567	944	1,504,483	987,972
Photo-engraving, not done in printing establishments	23	128	399	----------	152	361,405	996,112	226,067	25,906	2,045,072	1,793,099
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	26	68	365	1,510	1,427	196,720	703,819	1,369,396	31,935	2,700,701	1,299,370
Printing and publishing, book and job	311	1,690	3,743	210	5,188	4,419,206	5,959,010	5,565,338	216,691	29,162,487	23,380,458
Printing and publishing, music	9	169	82	----------	137	333,509	121,038	140,802	4,211	1,748,354	1,603,341
Printing and publishing, newspaper and periodical	119	3,928	3,021	199	9,605	9,490,182	8,123,499	15,923,742	314,682	51,865,216	35,626,792
Printing materials, not including type or ink	4	11	41	----------	54	51,682	61,540	58,821	2,981	308,441	246,639
Pumps (hand and power) and pumping equipment	4	89	185	250	368	208,636	290,841	843,646	17,601	1,987,643	1,126,396
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	4	13	122	125	78	55,932	213,970	155,494	3,508	611,707	452,705
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	18	58	225	----------	797	124,609	345,195	2,713,785	43,514	3,588,966	831,667

See footnotes at end of this section, p. 244.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at bead of tbis table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
SUFFOLK COUNTY—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Screw-machine products and wood screws	7	17	117	----------	353	77,391	164,847	301,052	18,455	726,516	407,009
Signs and advertising novelties	15	55	279	----------	179	125,808	345,891	344,041	7,199	1,109,816	758,576
Statuary and art goods, factory product [13]	9	19	117	----------	66	54,712	242,686	93,299	4,274	530,366	432,793
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	3	18	13	----------	112	31,375	24,149	60,500	3,013	160,099	96,586
Stereotyping and electrotyping, not done in printing establishments	7	42	200	----------	670	162,840	316,196	95,672	24,882	782,741	662,187
Stoves and ranges (other than electric) and warm-air furnaces	5	14	48	----------	45	21,808	80,055	117,533	3,415	269,286	148,338
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	30	103	400	----------	1,054	324,859	728,550	1,047,070	33,432	2,696,778	1,616,276
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	11	32	58	15	381	35,257	86,623	514,300	17,294	982,255	450,661
Tools, not including edge tools, machine tools, files, or saws	7	75	333	38	1,479	172,303	406,425	476,736	59,001	1,550,340	1,014,603
Trimmings (not made in textile mills) and stamped art goods for embroidering [13]	17	26	112	----------	35	61,057	121,033	484,539	6,845	862,308	370,924
Trunks, suitcases, and bags	19	26	161	----------	48	53,385	180,751	417,247	3,375	831,680	411,058
Window and door screens and weather strip	7	13	44	----------	109	18,439	57,698	94,750	4,304	239,539	140,485
Window shades and fixtures	14	31	83	----------	36	73,296	92,488	573,599	1,583	930,607	355,425
Wirework, not elsewhere classified	6	12	42	----------	46	20,396	59,427	99,124	1,830	254,623	153,669
Other industries	567	5,727	31,919	35,900	60,004	15,440,141	40,706,820	119,888,969	3,809,134	250,185,535	126,487,432

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[13] The figures for the following numbers of establishments located outside the county have been included in the items for the county, to avoid disclosing the data reported by those establishments: Billiard and pool tables, bowling alleys, and accessories, 1; food preparations, not elsewhere classified, 2; hats and caps, except felt and straw, men's, 2; perfumes, cosmetics, and other toilet preparations, 1; statuary and art goods, factory product, 2; trimmings (not made in textile mills) and stamped art goods for embroidering, 1.
[14] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

WORCESTER COUNTY. (SEE WORCESTER INDUSTRIAL AREA)

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BOSTON											
[The totals for all industries do not include data for a few establishments located outside the city (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	2,734	17,807	75,907	45,650	110,193	$48,118,715	$105,794,127	$277,536,628	$6,562,058	$603,711,473	$319,612,787
Awnings, tents, sails, and canvas covers [1]	25	49	177	----------	66	130,503	257,850	442,211	4,480	1,085,169	638,478
Beverages	40	167	487	1,342	904	482,223	713,319	1,921,198	86,270	5,358,173	3,350,705
Billiard and pool tables, bowling alleys, and accessories [1]	5	7	33	----------	104	17,300	60,163	70,671	1,972	237,200	164,557
Blacking, stains, and dressings [1]	13	38	88	35	94	118,297	130,509	415,945	5,864	1,005,326	583,517
Bookbinding and blank-book making	49	126	886	----------	620	323,744	1,151,274	499,985	27,992	2,716,356	2,188,469
Boot and shoe cut stock, not made in boot and shoe factories	28	[2] 681	6,817	1,350	4,158	1,845,827	9,201,131	34,881,687	211,910	53,090,165	17,996,568
Boot and shoe findings, not made in boot and shoe factories	18										
Boots and shoes, other than rubber	28										
Bread and other bakery products	251	363	2,733	947	3,756	759,647	3,465,063	10,545,730	424,785	22,563,280	11,592,765
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	14	104	230	415	160	243,334	257,163	2,067,688	29,827	3,415,201	1,317,686
Cigars and cigarettes	25	104	832	----------	173	357,891	868,021	2,138,560	11,795	4,871,560	2,721,205
Cleaning and polishing preparations	7	32	20	----------	52	77,925	21,386	111,686	1,554	375,798	262,558
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified [1]	125	389	3,941	440	549	1,123,921	4,967,310	12,330,612	93,075	24,232,952	11,809,265

See footnotes at end of this section, p. 245.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
BOSTON—Continued											
Clothing, women's, not elsewhere classified	233	531	4,723	15	859	$1,495,746	$6,018,139	$18,144,852	$93,285	$33,926,603	$15,688,466
Cloth sponging and refinishing	4	5	41	.....	57	15,320	57,588	1,640	2,680	119,701	115,381
Concrete products [1]	9	48	257	.....	555	146,910	534,572	206,475	19,595	1,020,553	794,483
Confectionery	51	603	3,970	3,210	3,466	1,675,668	3,605,508	11,275,060	238,309	23,341,791	11,828,422
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	38	131	649	75	693	427,484	1,073,555	1,616,302	40,549	4,024,115	2,367,264
Druggists' preparations	8	6	24	.....	24	23,553	25,655	106,781	1,513	243,569	135,275
Electrical machinery, apparatus, and supplies	32	669	2,824	825	3,642	1,651,481	3,481,900	6,287,237	207,461	19,641,468	13,146,800
Electroplating	14	22	122	.....	301	47,055	179,187	77,506	17,608	457,782	362,608
Embroideries	5	3	45	.....	17	4,056	40,645	18,768	700	106,176	86,708
Engraving, steel and copperplate, and plate printing	18	80	306	.....	164	194,612	405,118	325,436	8,065	1,607,261	1,273,760
Envelopes	7	40	140	10	157	88,333	148,632	380,854	5,663	869,164	482,647
Fancy and miscellaneous articles, not elsewhere classified	15	67	457	.....	18	234,410	438,069	452,888	2,639	2,171,770	1,716,243
Food preparations, not elsewhere classified	12	85	181	6	404	292,985	224,760	791,874	25,762	2,116,874	1,299,248
Fur goods	25	61	217	.....	78	202,739	440,497	1,059,609	6,507	2,185,230	1,119,114
Furnishing goods, men's, not elsewhere classified	20	102	740	.....	78	289,984	724,081	2,530,947	12,902	5,052,167	2,508,318
Furniture, including store and office fixtures	81	306	2,109	890	2,166	970,921	3,353,687	5,630,463	98,264	12,322,547	6,593,820
Glass products (except mirrors) made from purchased glass	11	18	96	.....	7	67,669	168,868	53,758	918	409,382	354,706
Hardware not elsewhere classified	8	15	70	3	97	50,518	80,185	109,646	4,027	343,572	229,929
Hats and caps, except felt and straw, men's [1]	28	39	204	.....	52	50,432	272,941	520,099	7,315	1,158,844	631,430
House-furnishing goods, not elsewhere classified [1]	51	159	957	.....	306	362,476	845,117	6,250,849	20,704	7,832,023	2,560,470
Ice cream	20	15	108	.....	919	49,743	174,950	930,727	37,871	1,964,556	995,958
Ice, manufactured [1]	5	61	177	2,775	4,936	110,025	324,117	63,204	245,287	1,875,408	1,566,917
Instruments, professional and scientific	9	53	228	15	291	168,523	328,193	241,486	12,594	987,450	733,370
Macaroni, spaghetti, vermiccili, and noodles	6	30	181	100	715	80,313	181,032	773,883	38,544	1,283,394	470,967
Machine-tool accessories and small metal-working tools, not elsewhere classified	10	11	83	.....	103	34,900	166,909	49,782	6,085	356,803	300,936
Marble, granite, slate, and other stone products	9	40	219	150	1,442	128,791	429,817	428,443	30,137	1,321,110	862,530
Mattresses and bed springs, not elsewhere classified	18	44	205	.....	478	121,682	311,932	994,865	16,842	1,885,413	873,706
Meat packing, wholesale	14	42	322	90	305	161,840	425,418	8,982,241	32,557	10,530,676	1,515,878
Millinery	22	47	427	20	146	111,270	431,931	1,137,310	13,957	2,152,944	1,001,677
Mirror and picture frames	9	14	74	.....	38	33,825	109,368	95,672	2,335	353,643	255,636
Mirrors, framed and unframed	5	26	97	75	70	58,289	139,636	255,044	8,013	609,519	346,462
Models and patterns, not including paper patterns	20	39	121	.....	104	101,463	227,533	60,032	5,342	574,643	509,269
Nonferrous-metal alloys and products, not including aluminum products [1]	26	123	351	50	697	361,658	552,212	1,891,573	67,789	3,729,470	1,770,108
Paper goods, not elsewhere classified	9	17	55	.....	158	43,398	61,961	198,775	6,754	417,693	212,164
Patent or proprietary medicines and compounds [1]	28	389	1,048	950	168	1,185,225	1,704,113	4,019,652	57,033	11,699,079	7,622,394
Perfumes, cosmetics, and other toilet preparations [1]	13	39	70	.....	30	119,069	68,392	515,567	944	1,504,483	987,972
Photo-engraving, not done in printing establishments	23	128	399	.....	152	361,405	996,112	226,067	25,906	2,045,072	1,793,099
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	22	60	343	1,510	1,180	177,790	660,078	1,275,670	26,443	2,486,570	1,184,457
Printing and publishing, book and job	305	1,690	3,728	210	5,159	4,419,266	5,944,232	5,543,071	215,304	29,088,665	23,330,290
Printing and publishing, music	9	169	82	.....	137	333,509	121,038	140,802	4,211	1,748,354	1,603,341
Printing and publishing, newspaper and periodical	111	3,916	2,994	199	9,570	9,479,065	8,085,828	15,908,094	311,967	51,722,129	35,502,068
Printing materials, not including type or ink	4	11	41	.....	54	51,682	61,540	58,821	2,981	308,441	246,639
Pumps (hand and power) and pumping equipment	4	89	185	250	368	208,636	290,841	843,646	17,601	1,987,643	1,126,396
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	4	13	122	125	78	55,932	213,970	155,494	3,508	611,707	452,705
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	18	58	225	.....	797	124,609	345,195	2,713,785	43,514	3,588,966	831,667
Screw-machine products and wood screws	7	17	117	.....	353	77,391	164,847	301,052	18,455	726,516	407,009
Signs and advertising novelties	15	55	279	.....	179	125,808	345,891	344,041	7,199	1,109,816	758,576
Statuary and art goods, factory product [1]	9	19	117	.....	66	54,712	242,686	93,299	4,274	530,366	432,793
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	3	18	13	.....	112	31,375	24,149	60,500	3,013	160,099	96,586
Stereotyping and electrotyping, not done in printing establishments	7	42	200	.....	670	162,840	316,196	95,672	24,882	782,741	662,187
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	11	32	58	15	381	85,257	86,623	514,300	17,294	982,255	450,661
Tools, not including edge tools, machine tools, files, or saws	7	75	333	38	1,479	172,303	406,425	476,736	59,001	1,550,340	1,014,603
Trimmings (not made in textile mills) and stamped art goods for embroidering [1]	17	26	112	.....	35	61,057	121,033	484,539	6,845	862,308	370,924
Window and door screens and weather strip	7	13	44	.....	109	18,439	57,698	94,750	4,304	239,539	140,485
Window shades and fixtures	14	31	83	.....	36	73,296	92,488	573,599	1,583	930,607	355,425
Wirework, not elsewhere classified	6	12	42	.....	46	20,396	59,427	99,124	1,830	254,623	153,669
Other industries	627	5,324	28,345	29,515	55,377	15,397,825	38,471,705	106,861,194	3,494,155	223,435,239	113,079,890

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for the following numbers of establishments located outside the city have been included in the items for the city, to avoid disclosing the data reported by those establishments: Awnings, tents, sails, and canvas covers, 1; billiard and pool tables, bowling alleys, and accessories, 1; hilacking, stains, and dressings, 1; clothing (except work clothing), men's, youths', and boys', not elsewhere classified, 1; concrete products, 2; hats and caps, except felt and straw, men's, 3; house-furnishing goods, not elsewhere classified, 1; ice, manufactured, 1; nonferrous-metal alloys and products, not including aluminum products, 1; patent or proprietary medicines and compounds, 1; perfumes, cosmetics, and other toilet preparations, 1; statuary and art goods, factory product, 2; trimmings (not made in textile mills) and stamped art goods for embroidering, 1.

[2] Because of the fact that combined figures for these industries have been published by the Massachusetts Department of Labor and Industries, it is necessary to withhold the figures for the individual industries to avoid making it possible to obtain, by subtraction, approximation of the data for individual establishments.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
CAMBRIDGE											
All industries, total	391	4,296	21,328	23,181	33,216	$11,897,578	$27,438,962	$83,927,634	$2,786,464	$183,609,785	$96,895,697
Beverages	7	12	34	50	103	24,209	48,194	153,056	5,066	386,347	228,225
Boxes, paper, not elsewhere classified	6	37	451	95	244	124,606	402,844	507,861	18,051	1,246,996	721,084
Bread and other bakery products	47	147	1,834	900	1,314	346,087	2,189,274	6,604,138	166,995	13,309,089	7,537,956
Clothing, women's, not elsewhere classified	10	20	169	-------	29	51,386	172,218	528,666	3,153	873,352	341,533
Confectionery	27	422	2,705	829	3,952	1,140,400	2,451,285	8,339,707	194,623	15,543,535	7,009,205
Foundry and machine-shop products, not elsewhere classified	19	191	991	205	1,771	1,061,258	1,385,156	1,804,071	68,591	6,216,108	4,343,446
Furniture, including store and office fixtures	16	156	978	936	1,236	501,554	1,988,980	1,667,853	63,228	5,370,853	3,649,772
Ice cream	7	51	160	-------	1,050	135,223	225,686	1,606,142	67,474	3,216,617	1,643,001
Marble, granite, slate, and other stone products	6	23	97	305	727	99,185	184,966	155,631	15,256	632,672	461,785
Motor-vehicle bodies and motor-vehicle parts	4	21	101	-------	158	96,855	128,719	447,849	2,576	855,818	405,393
Nonferrous-metal alloys and products, not including aluminum products	4	6	27	-------	134	11,159	37,360	111,806	5,832	209,056	91,418
Perfumes, cosmetics, and other toilet preparations	3	4	11	-------	7	8,300	11,497	51,112	486	118,955	67,357
Printing and publishing, book and job	34	353	1,905	750	1,223	950,296	3,283,980	3,190,068	71,302	13,429,101	10,167,731
Printing and publishing, newspaper and periodical	16	109	71	-------	48	207,305	130,146	63,839	2,152	798,110	732,119
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	11	51	194	300	667	148,318	343,162	895,335	19,584	1,994,400	1,079,481
Window and door screens and weather strip	4	1	28	-------	61	[2]	33,573	40,674	1,070	103,738	61,994
Other industries	170	2,692	11,572	18,811	20,492	6,991,437	14,421,922	58,859,826	2,091,015	119,305,038	58,354,197
FALL RIVER											
All industries, total	232	1,487	26,143	88,102	55,556	$3,944,249	$23,254,550	$57,646,531	$3,095,324	$103,793,738	$43,051,883
Beverages	7	5	23	-------	88	10,400	26,637	57,338	3,074	157,797	97,385
Bread and other bakery products	57	9	236	-------	268	14,186	270,908	935,665	44,169	1,650,221	670,387
Cotton goods	34	536	19,737	67,567	48,877	1,791,402	16,951,527	29,027,294	2,009,368	56,334,337	25,297,675
Cotton small wares	6	15	278	-------	670	63,944	211,060	881,070	25,653	1,398,836	492,113
Foundry and machine-shop products, not elsewhere classified	7	15	110	6	149	27,914	136,521	158,866	9,248	431,971	263,857
Hats, fur-felt	4	29	241	-------	267	66,352	227,548	702,995	16,084	1,245,792	526,713
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	6	20	98	425	539	42,697	128,603	249,292	6,145	517,066	261,629
Printing and publishing, book and job	10	9	41	-------	54	13,088	57,836	44,637	1,460	164,599	118,502
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	9	3	44	-------	124	12,132	57,164	373,630	5,823	607,236	127,783
Textile machinery and parts	15	35	235	15	520	143,022	279,647	420,888	22,908	1,250,454	806,658
Other industries	77	811	5,100	20,089	4,000	1,759,112	4,907,099	24,794,856	951,392	40,135,429	14,389,181
LOWELL											
All industries, total	217	1,517	17,097	46,893	16,246	$3,864,782	$17,100,365	$33,542,487	$1,568,291	$69,592,907	$34,492,129
Beverages	6	3	17	-------	54	6,380	19,634	30,659	3,257	89,304	55,388
Boot and shoe findings, not made in boot and shoe factories	4	10	157	-------	160	15,616	134,570	271,141	5,098	513,324	237,085
Boots and shoes, other than rubber	13	211	2,710	150	738	575,323	2,331,095	4,832,461	37,623	9,087,148	4,217,064
Boxes, paper, not elsewhere classified	3	23	267	-------	156	58,363	228,637	265,062	7,855	707,109	434,192
Bread and other bakery products	36	6	224	-------	158	11,120	267,933	833,055	39,394	1,472,840	600,391
Clothing, women's, not elsewhere classified	4	22	142	-------	54	49,366	100,699	232,892	1,946	484,425	249,587
Confectionery	5	7	20	-------	30	6,487	21,769	55,291	2,809	136,694	78,594
Cotton goods	5	198	4,135	33,103	2,167	562,516	4,147,313	5,130,525	346,453	12,539,683	7,062,705
Foundry and machine-shop products, not elsewhere classified	11	[4] 52	328	270	785	153,900	379,533	508,498	24,632	1,409,102	875,972
Textile machinery and parts	9										
Knit goods	7	134	1,926	4,600	721	309,107	1,609,903	2,946,408	87,456	6,262,950	3,229,086
Mattresses and bed springs, not elsewhere classified	5	10	23	-------	83	13,637	22,281	73,780	1,495	134,309	59,034
Paper goods, not elsewhere classified	4	16	55	-------	91	31,293	51,459	99,305	3,848	233,572	130,419
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	3	11	38	40	225	42,900	65,988	103,825	5,002	241,096	132,269
Printing and publishing, book and job	10	[4] 193	603	-------	1,301	464,066	963,743	1,338,981	32,001	4,189,052	2,818,070
Printing and publishing, newspaper and periodical	5										
Other industries	87	621	6,452	8,730	9,523	1,564,708	6,855,808	16,820,604	959,422	32,092,299	14,312,273

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[2] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

[4] Because of the fact that combined figures for these industries have been published by the Massachusetts Department of Labor and Industries, it is necessary to withhold the figures for the individual industries in order to avoid making it possible to obtain, by subtraction, approximations of the data for individual establishments.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
LYNN											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Electrical machinery, apparatus, and supplies"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	357	3,644	20,520	35,305	17,083	$8,605,026	$28,571,538	$46,549,635	$1,450,218	$119,829,261	$71,829,408
NEW BEDFORD											
All industries, total	192	1,666	32,113	66,278	90,016	$4,298,182	$31,804,533	$58,670,462	$3,456,928	$121,696,324	$59,568,934
Beverages	5	9	20		98	20,938	22,985	52,190	3,178	156,585	101,217
Bread and other bakery products	48	13	284	15	342	24,953	326,675	903,561	46,110	1,780,374	830,703
Cotton goods	30	812	25,784	58,711	69,061	2,315,012	24,845,627	42,922,628	2,519,863	86,195,301	40,752,810
Foundry and machine-shop products, not elsewhere classified	5	8	95		247	20,587	165,760	170,557	5,255	436,139	260,327
Ice cream	5	8	43		346	13,637	64,421	234,319	13,269	541,539	293,951
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	5	11	63	425	513	21,817	88,825	201,692	5,488	365,283	158,103
Printing and publishing, book and job	11	15	75		148	33,993	96,987	87,626	5,366	360,796	267,804
Printing and publishing, newspaper and periodical	5	172	153		557	391,881	250,925	269,150	15,206	1,304,921	1,020,565
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	5	7	26		141	22,091	33,568	295,547	4,725	414,043	113,771
Textile machinery and parts	15	23	209	50	448	81,394	242,062	269,229	13,303	816,965	533,533
Other industries	58	588	5,361	7,077	18,115	1,351,879	5,666,698	13,263,963	825,165	29,325,278	15,236,150
SOMERVILLE											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	127	798	6,043	3,242	11,359	$1,870,581	$8,513,306	$66,941,418	$740,044	$97,429,608	$29,748,146
SPRINGFIELD											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Electrical machinery, apparatus, and supplies"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	318	3,282	17,414	9,026	37,945	$8,336,589	$23,740,589	$45,412,424	$2,392,227	$113,931,026	$66,126,375

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
WORCESTER											
All industries, total	533	5,915	31,636	18,776	112,885	$16,382,626	$45,259,677	$92,780,032	$5,444,905	$211,314,411	$113,089,474
Beverages	12	14	39	----	74	30,999	39,819	88,472	5,163	261,390	167,755
Boots and shoes, other than rubber	14	183	2,260	----	970	516,817	2,264,141	4,960,970	51,633	8,583,580	3,570,977
Bread and other bakery products	47	67	421	----	649	142,439	650,933	1,536,661	83,228	3,062,756	1,442,867
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	7	[c] 56	529	----	150	97,110	487,578	1,210,250	9,708	2,219,869	999,911
Clothing, women's, not elsewhere classified	18										
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	4										
Confectionery	4	10	29	----	22	12,750	35,705	99,527	5,139	187,863	83,197
Corsets and allied garments	7	149	569	500	77	315,528	534,295	1,188,335	7,980	2,516,096	1,319,781
Envelopes	7	176	963	1,075	404	417,154	1,111,874	2,808,810	29,072	5,505,176	2,667,294
Foundry and machine-shop products, not elsewhere classified	44	[c] 1,149	4,087	500	16,069	3,641,101	6,972,926	7,518,670	377,412	27,875,901	19,979,819
Machine tools	7										
Machine-tool accessories and small metal-working tools, not elsewhere classified	6										
Furniture, including store and office fixtures	10	27	126	----	255	76,272	206,477	444,658	7,239	863,441	411,544
Hats and caps, except felt and straw, men's	5	2	7	----	5	(d)	9,497	23,759	686	49,830	25,385
Ice cream	8	21	56	15	646	75,596	78,520	526,067	20,402	1,102,936	556,467
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	6	19	146	605	266	70,464	233,704	314,383	11,333	727,764	402,048
Printing and publishing, book and job	31	68	237	----	263	164,908	337,566	362,852	11,927	1,408,353	1,033,574
Printing and publishing, newspaper and periodical	10	184	505	----	827	540,472	1,054,053	884,925	45,821	4,466,455	3,535,709
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [7]	4	9	44	----	263	23,760	65,627	536,561	9,493	694,534	148,480
Screw-machine products and wood screws	10	270	1,387	----	4,684	639,827	1,962,581	2,027,862	144,141	6,144,766	3,972,763
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	8	[c] 147	802	120	4,051	520,296	1,162,139	1,283,677	95,425	4,033,945	2,654,843
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	14										
Textile machinery and parts	19	541	2,012	1,263	4,669	1,486,690	3,070,987	2,762,883	130,340	9,659,459	6,766,236
Wood turned and shaped and other wooden goods, not elsewhere classified	7	11	47	----	430	24,933	55,862	88,197	5,876	211,823	117,750
Woolen goods	12	41	686	250	1,237	178,218	786,936	1,257,079	70,880	2,930,386	1,602,427
Worsted goods	6	65	1,275	----	4,153	254,992	1,443,201	5,076,561	104,746	9,120,032	3,938,725
Other industries [8]	206	2,706	15,409	14,448	72,721	7,152,300	22,695,256	57,778,873	4,217,261	119,688,056	57,691,922

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[5] Because of the fact that combined figures for these industries have been published by the Massachusetts Department of Labor and Industries, it is necessary to withbold the figures for the individual industries in order to avoid making it possible to obtain, by subtraction, approximations of the data for individual establishments.

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[7] The figures for the "Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments," industry include data for 1 establishment located outside the city, to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.

[8] See footnote 7.

MICHIGAN

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	6,686	530,035	2,356,746	1,005,388	1,351,358	$840,505,363	$2,589,374,167	$2,480,160,584	$109,213,583	$4,656,718,046	$2,067,343,879
1927	5,800	488,856	2,214,747	999,092	1,215,655	760,602,319	2,346,678,396	2,248,213,128	98,465,268	4,244,941,132	1,898,262,736
1925	5,600	515,494	1,887,750	926,312	961,438	792,224,933	2,466,425,886	[4]	[4]	4,373,186,136	1,906,760,250
1923	5,697	503,308	1,471,550	760,726	710,824	769,070,993	2,270,772,949	[4]	[4]	3,882,192,328	1,611,419,379
1921	5,718	304,471	[5]	[5]	[5]	419,968,734	1,305,745,667	[4]	[4]	2,206,230,451	900,484,784
1919	8,305	471,242	1,193,709	652,952	540,757	639,708,093	1,919,243,243	1,852,906,090	66,337,153	3,466,188,483	1,546,945,240
1914	8,724	271,090	726,777	538,075	188,702	182,252,284	592,801,064	569,328,043	23,473,021	1,086,162,432	493,361,368
1909	9,159	231,499	595,813	521,543	74,270	118,967,830	368,612,022	351,787,872	16,824,150	685,109,169	316,497,147
1904	7,446	175,229	438,485	426,074	12,411	81,278,537	230,080,931	220,265,949	9,814,982	429,120,060	199,039,129
1899	7,310	155,800	366,376	362,112	4,264	62,531,812	175,966,128	[6]	[6]	319,691,856	143,725,728
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	15.3	8.4	6.4	0.6	11.2	10.5	10.3	10.3	10.9	9.7	8.9
1925–1927	3.6	—5.2	17.3	7.9	26.4	—4.0	—4.9			—2.9	—0.4
1923–1925	—1.7	2.4	28.3	21.8	35.3	3.0	8.6			12.6	18.3
1921–1923	—0.4	65.3				83.1	73.9			76.0	79.0
1919–1921	—31.2	—35.4				—34.3	—32.0			—36.3	—41.8
1919–1929	—19.5	12.5	97.4	54.0	149.9	31.4	34.9	33.9	64.6	34.3	33.6
1909–1919	—9.3	103.6	100.3	25.2	628.1	437.7	420.7	426.7	294.3	405.9	388.8
1899–1909	25.3	48.6	62.6	44.0	1,641.8	90.3	109.5			114.3	120.2

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR THE DETROIT INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	4,842,325	6,686	530,036	2,356,746	$840,605,363	$2,589,374,167	$2,480,160,584	$109,213,583	$4,656,718,046	$2,067,343,879
Detroit Industrial Area [3]	2,100,197	2,806	293,252	1,238,348	511,638,683	1,614,916,460	1,551,618,764	63,297,696	2,844,610,198	1,229,693,738
Counties [4]										
Allegan	38,974	57	1,707	13,157	2,159,782	7,670,120	7,128,210	541,910	13,415,818	6,745,698
Alpena	18,574	25	1,602	23,982	1,881,973	6,020,743	4,962,530	958,213	9,164,384	4,143,641
Antrim	9,979	10	374	1,449	305,748	1,172,152	807,672	364,480	2,300,443	1,128,291
Barry	20,928	26	1,082	2,863	1,256,378	2,266,539	2,150,523	116,016	5,436,706	3,170,167
Bay	69,474	121	7,453	43,645	8,781,123	20,232,244	19,193,053	1,039,191	40,710,604	20,478,360
Benzie	6,587	7	31	47	16,404	156,424	154,578	1,846	249,671	93,247
Berrien	81,066	168	8,241	33,144	9,793,521	22,380,018	21,097,908	1,282,110	44,993,868	22,613,840
Branch	22,950	48	1,350	7,028	1,439,781	3,023,828	2,833,057	190,771	6,708,441	3,684,613
Calhoun [5]	87,945	170	11,869	53,224	17,405,434	43,357,430	41,128,522	2,228,908	109,657,454	65,600,024
Cass	20,888	29	1,005	5,572	1,269,206	2,655,794	2,452,578	203,216	4,985,726	2,329,932
Charlevoix	11,981	13	299	934	324,110	1,924,306	1,875,865	48,441	3,318,297	1,393,991
Cheboygan	11,502	12	225	1,106	266,398	254,396	217,615	36,781	784,679	530,283
Chippewa	25,047	30	1,472	8,109	1,692,121	7,506,691	5,321,430	2,184,661	11,610,178	4,104,087
Clare	7,032	6	16	182	17,819	56,558	53,551	3,007	104,378	48,320
Clinton	24,174	19	135	1,100	180,320	860,519	820,636	39,883	1,242,951	382,432
Delta	32,280	51	2,928	26,206	3,847,655	6,908,907	6,218,006	690,901	15,815,657	8,906,650
Eaton	31,728	49	1,330	7,396	1,406,168	4,116,557	3,665,796	460,761	7,133,656	3,017,099
Emmet	15,109	29	839	7,905	1,057,682	2,756,700	2,331,919	424,781	6,088,350	3,331,650
Genesee	211,641	136	32,001	122,547	52,642,271	221,708,018	217,349,801	4,358,217	364,361,540	142,653,522
Gladwin	7,424	7	13	119	15,844	107,117	104,929	2,188	152,161	45,044
Gogebic	31,577	33	710	1,162	701,206	1,126,389	1,061,899	64,490	2,436,978	1,310,589
Grand Traverse	20,011	33	722	2,144	635,348	1,968,650	1,891,364	77,286	3,478,771	1,510,121
Gratiot	30,252	30	982	6,281	1,180,255	5,743,148	5,531,173	211,976	8,581,118	2,837,970
Hillsdale	27,417	44	1,133	4,865	1,133,701	7,000,908	6,899,691	101,217	10,850,579	3,849,671
Houghton	52,851	67	1,053	8,490	1,167,002	31,515,400	31,068,551	446,849	36,424,612	4,909,212
Huron	31,132	31	349	3,570	405,182	3,256,139	3,102,298	153,841	5,056,335	1,800,196
Ingham [5]	116,687	158	19,132	74,146	28,840,477	146,660,233	144,127,173	2,533,060	222,528,301	75,868,068
Ionia	35,093	45	2,451	7,122	2,421,277	6,081,200	5,872,103	209,097	10,549,769	4,468,569
Iosco	7,517	8	275	6,023	370,940	1,094,675	874,661	220,014	1,989,303	894,628
Iron	20,805	10	38	143	37,730	295,565	288,689	6,876	479,239	183,674
Isabella	21,126	17	490	4,337	508,077	2,188,348	2,057,667	130,681	4,049,585	1,861,237
Jackson [5]	92,304	138	11,375	40,963	15,662,204	39,539,355	37,643,855	1,895,500	80,123,614	40,584,259
Kalamazoo [5]	91,368	200	12,145	83,107	16,967,201	53,549,073	50,781,206	2,767,867	110,996,656	57,447,683
Kent [5]	240,511	561	30,979	93,476	44,756,155	81,419,576	77,834,967	3,584,609	178,126,058	96,706,482
Lapeer	28,348	17	396	952	593,318	1,062,097	988,000	74,097	2,422,729	1,360,632
Leelanau	8,206	7	30	354	25,929	309,814	307,504	2,310	421,601	111,787
Lenawee	49,849	87	2,569	11,161	3,136,902	11,074,922	10,468,545	606,377	19,808,399	8,733,477
Livingston	19,274	20	353	1,430	494,545	1,769,342	1,729,553	39,789	3,508,337	1,738,995
Luce	6,528	7	253	4,387	343,980	1,008,309	845,524	162,785	1,897,751	889,442
Mackinac	8,783	7	22	126	27,053	63,604	62,326	1,278	110,951	47,347
Macomb	77,146	54	1,404	5,329	1,856,725	4,128,001	3,739,599	388,402	9,393,186	5,265,186
Manistee	17,409	32	1,455	10,843	1,409,946	4,067,341	3,591,967	475,374	7,360,458	3,293,117
Marquette	44,076	44	2,039	8,491	2,532,119	4,704,358	4,078,555	625,803	10,728,105	6,023,747
Mason	18,756	25	1,272	5,290	1,324,256	2,792,880	2,505,847	287,033	6,460,183	3,667,303
Mecosta	15,738	18	493	2,355	541,339	2,035,365	1,991,099	44,266	3,171,484	1,136,119
Menominee	23,652	59	2,438	15,676	2,490,047	7,202,448	6,797,487	404,961	14,000,990	6,798,542
Monroe	52,485	46	3,693	30,689	5,626,619	14,332,752	12,976,374	1,356,378	28,183,125	13,850,373
Montcalm	27,471	32	897	3,656	833,622	3,234,164	3,130,830	103,334	5,606,536	2,372,372
Montmorency	2,814	4	21	431	18,620	13,400	13,164	236	51,360	37,960
Muskegon [5]	84,630	129	15,716	54,034	21,644,064	39,642,364	37,551,129	2,091,235	89,140,648	49,498,284
Newaygo	17,029	17	447	3,577	462,746	2,771,107	2,519,863	251,244	4,445,069	1,673,962
Oakland [5]	211,251	140	22,828	100,458	37,500,555	173,445,212	170,543,154	2,902,058	254,837,836	81,392,624
Oceana	13,805	22	250	822	198,039	1,098,273	1,077,634	20,639	1,684,069	585,796
Ogemaw	6,595	5	11	150	15,392	66,141	54,837	1,304	98,861	42,720
Ontonagon	11,114	16	843	4,960	853,470	2,169,195	1,945,342	223,853	4,214,317	2,045,122
Osceola	12,806	9	122	312	137,511	1,375,012	1,347,229	27,783	1,839,754	464,742
Otsego	5,554	7	225	676	207,872	266,690	252,351	14,339	876,469	609,779
Ottawa	54,858	133	4,924	16,089	6,176,211	16,222,784	15,544,839	677,945	34,941,869	18,719,085
Presque Isle	11,330	11	202	296	130,003	528,471	520,499	7,972	831,964	303,493
Saginaw [5]	120,717	171	15,217	51,722	21,962,627	32,716,866	29,863,959	2,852,907	74,557,791	41,840,925
St. Clair	67,563	95	5,228	33,967	7,136,945	19,446,042	17,385,687	2,060,355	37,972,129	18,526,087
St. Joseph	30,618	56	3,368	18,519	4,752,517	13,625,333	12,868,601	756,732	25,604,673	11,979,340
Sanilac	27,751	21	181	764	160,779	796,891	780,688	16,203	1,293,602	496,711
Schoolcraft	8,451	14	594	14,614	692,100	2,101,910	1,954,838	147,072	4,444,681	2,342,771
Shiawassee	39,517	60	2,421	10,050	3,181,254	6,766,109	6,271,903	494,206	14,050,050	7,283,941
Tuscola	32,934	23	464	2,984	727,856	1,887,286	1,767,894	119,392	3,587,443	1,700,157
Van Buren	32,637	54	1,158	3,270	1,269,420	3,861,402	3,718,122	143,280	7,645,578	3,784,176
Washtenaw	65,530	92	2,818	10,336	4,100,446	7,434,570	6,570,864	863,706	17,726,272	10,291,702
Wayne [5]	1,888,946	2,666	270,424	1,137,890	474,138,128	1,441,471,248	1,381,075,610	60,395,638	2,589,772,362	1,148,301,114
Wexford	16,827	35	1,475	10,793	1,508,157	4,706,019	4,493,272	215,747	8,032,842	3,323,823
All other counties [5]	107,395	73	7,978	84,050	11,332,248	23,010,325	20,752,419	2,257,906	42,188,302	19,177,977

See footnotes at end of table.

TABLE 2.—SUMMARY FOR THE DETROIT INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Cities having 10,000 inhabitants or more[7]										
Adrian	13,064	42	1,590	5,306	$1,928,932	$6,220,630	$6,022,294	$198,336	$11,081,364	$4,860,734
Ann Arbor	26,944	46	1,720	5,459	2,516,569	3,993,394	3,644,298	349,096	10,623,198	6,629,804
Battle Creek	43,573	101	7,062	36,778	10,439,567	35,681,439	33,789,765	1,891,674	87,239,249	51,557,810
Bay City	47,355	104	6,937	31,403	8,020,680	17,030,638	16,363,249	667,389	35,081,704	18,051,066
Benton Harbor	15,434	61	2,440	8,404	3,540,074	4,200,772	3,684,428	516,344	11,210,094	7,009,322
Detroit[3]	1,568,662	2,418	221,588	714,356	386,692,131	1,071,472,193	1,036,717,045	34,755,148	2,014,165,786	942,693,593
Escanaba	14,524	27	838	2,628	1,219,309	2,759,668	2,675,332	84,336	4,670,905	1,911,237
Ferndale	20,855	10	225	2,996	278,795	627,867	597,169	30,698	1,242,778	614,911
Grand Rapids[3]	168,592	516	28,084	76,303	40,476,018	68,634,253	65,714,740	2,919,513	156,553,816	87,919,563
Hamtramck	56,268	61	18,221	62,660	28,102,003	108,933,119	106,768,455	2,164,664	165,419,005	56,485,886
Holland	14,346	62	2,480	7,243	3,207,414	6,997,902	6,705,792	292,110	17,796,031	10,798,129
Ironwood	14,299	17	330	1,064	386,010	583,668	525,349	58,319	1,319,210	735,542
Jackson	55,187	111	9,401	35,153	13,021,514	29,355,461	27,636,023	1,719,438	59,514,377	30,158,916
Kalamazoo	54,786	175	8,977	39,655	12,486,711	38,312,792	36,646,042	1,666,750	84,822,939	46,510,147
Lansing	78,397	130	18,877	71,789	28,464,364	145,163,151	142,753,534	2,409,317	219,381,871	74,218,720
Marquette	14,789	21	995	5,254	1,410,454	2,553,772	2,003,088	550,684	5,430,571	2,876,799
Menominee	10,320	34	1,715	12,536	1,881,157	5,915,444	5,518,090	397,354	10,636,246	4,720,802
Monroe	18,110	32	3,306	29,525	5,072,099	13,270,702	11,971,246	1,299,456	25,864,544	12,593,842
Mount Clemens	13,497	23	1,018	2,235	1,350,912	2,525,044	2,273,266	251,778	6,708,665	4,183,621
Muskegon	41,390	88	11,481	40,056	15,558,456	28,346,427	27,007,532	1,338,895	66,097,702	37,751,275
Muskegon Heights	15,584	24	3,699	12,140	5,279,922	8,733,819	8,062,209	671,610	19,189,639	10,455,820
Niles	11,326	22	1,087	6,871	1,263,181	3,553,318	3,406,821	146,497	7,989,407	4,436,089
Owosso	14,496	41	1,991	8,513	2,673,988	5,352,328	4,906,623	445,705	11,595,093	6,242,765
Pontiac	64,928	64	21,798	92,460	35,944,723	170,370,918	167,674,762	2,696,156	248,221,533	77,850,615
Port Huron	31,361	49	1,747	16,696	2,478,955	8,889,345	7,971,899	917,446	16,222,669	7,333,324
River Rouge	17,314	19	1,797	22,499	3,657,399	10,693,499	9,020,274	1,673,225	18,256,837	7,593,338
Royal Oak	22,904	12	125	549	327,936	136,333	119,690	16,643	957,003	820,670
Saginaw	80,715	135	14,473	45,584	21,124,587	28,113,003	25,772,693	2,340,310	67,283,537	39,170,534
Sault Ste. Marie	13,755	23	1,378	7,879	1,619,882	7,367,024	5,188,517	2,178,507	11,292,403	3,925,379
Wyandotte	28,368	34	4,041	56,977	6,360,100	14,662,872	10,640,002	4,022,870	34,880,512	20,217,640
Ypsilanti	10,143	22	808	1,996	1,162,087	1,507,704	1,359,327	148,377	3,706,553	2,198,849

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Detroit Industrial Area comprises Oakland and Wayne Counties. For statistics by industries for the area, see Table 13.
[4] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
[5] For statistics by industries for this county, see Table 13.
[6] Alcona, Alger, Arenac, Baraga, Crawford, Dickinson, Kalkaska, Keweenaw, Midland, Missaukee, Oscoda, and Roscommon Counties. (See footnote 4.) No manufacturing reported from Lake County.
[7] Not including Alpena, Dearborn, Ecorse, Flint, Grosse Pointe Park, Highland Park, Iron Mountain, Lincoln Park, and Traverse City, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments.
[8] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

Census year	All classes			Proprietors and firm members			Principal salaried officers of corporations			Other salaried officers and employees			Wage earners (average for the year)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929[1]	602,988	518,752	84,236	3,809	3,622	187	[2] 5,526	[2] 5,275	[2] 251	[2] 63,618	[2] 44,878	[2] 18,740	530,035	[3] 464,977	[3] 65,058
1919[1, 4]	549,069	475,246	73,823	6,762	6,456	306	5,266	5,108	158	65,799	45,974	19,825	471,242	417,708	53,534
1914[4]	320,611	278,229	42,382	7,725	7,335	390	3,572	3,471	101	38,224	29,022	9,202	271,090	238,401	32,689
1909	271,071	231,915	39,156	8,965	8,564	401	3,089	3,026	63	27,518	21,027	6,491	231,499	199,298	32,201

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 502; male, 483; female, 19. Other salaried officers and employees—total, 8,091; male, 5,080; female, 3,011. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	530,035	532,170	558,394	572,647	579,419	575,002	557,805	551,891	548,816	537,917	496,468	429,897	*416,796*	71.9
1919 [1]	471,242	*421,493*	425,205	428,121	431,021	442,923	461,718	480,132	497,915	507,050	515,805	522,876	520,623	80.6
1914 [1]	271,090	273,067	277,824	282,178	281,040	278,103	269,332	268,399	274,164	273,866	270,454	254,678	*249,777*	88.5
1909 [1]	231,499	*211,679*	218,230	223,087	222,273	226,811	229,038	232,023	235,804	240,310	241,912	246,729	250,078	84.6

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	6,686	530,035	45 and over but under 48	313	24,551
Not reported	490	1,246	48	972	37,628
Under 40	93	470	Over 48 but under 54	1,792	293,056
40	108	25,783	54	692	45,585
Over 40 but under 44	54	3,533	Over 54 but under 60	544	55,026
44 and over but under 45	703	15,268	60 and over	925	27,889

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1929
All establishments	6,686	8,305	9,159	530,035	471,242	231,499	51 to 100	451	456	428	32,801	33,945	30,771
							101 to 250	406	414	335	63,459	66,285	52,775
No wage earners	213	1,085	1,200				251 to 500	181	167	112	63,427	57,771	38,668
1 to 5	2,829	3,509	4,697	7,520	8,573	10,156	501 to 1,000	87	78	46	60,885	53,182	31,173
6 to 20	1,621	1,494	1,600	18,015	16,748	17,898	1,001 to 2,500	49	55	15	72,419	209,688	26,313
21 to 50	819	747	726	26,731	25,050	23,745	2,501 and over	30			184,778		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	6,686	8,305	9,159	530,035	471,242	231,499	$34,656,718,046	$3,466,188,483	$685,109,169	$2,067,343,879	$1,546,945,240	$316,497,147
Less than $5,000	(2)	1,539	3,372	(2)	916	3,906	(2)	3,960,695	7,821,328	(2)	2,444,262	4,914,568
$5,000 to $19,999	1,875	2,278	2,665	4,219	5,545	12,382	21,846,760	24,871,038	27,383,330	13,109,986	13,464,814	14,559,126
$20,000 to $99,999	2,282	2,361	1,999	17,207	20,716	35,706	109,007,102	109,296,336	90,330,115	62,851,419	51,878,594	41,918,104
$20,000 to $49,999	1,377	(3)	(3)	7,222	(3)	(3)	44,745,324	(3)	(3)	25,914,209	(3)	(3)
$50,000 to $99,999	905	(3)	(3)	9,985	(3)	(3)	64,261,778	(3)	(3)	36,937,210	(3)	(3)
$100,000 to $499,999	1,495	1,341		51,833	61,765		340,346,682	306,923,542		187,486,045	150,101,597	
$100,000 to $249,999	964	(3)		23,509	(3)		155,673,394	(3)		86,748,785	(3)	
$250,000 to $499,999	531	(3)	1,035	28,324	(3)	123,279	184,673,088	(3)	301,233,306	100,737,260	(3)	146,842,096
$500,000 to $999,999	465	327		46,918	43,253		327,133,497	232,661,055		167,589,941	112,651,519	
$1,000,000 and over	569	459	88	409,358	339,042	56,226	3,858,384,005	2,788,475,817	258,341,090	1,636,306,488	1,216,404,454	108,263,253
$1,000,000 to $2,499,999	335	(3)	(3)	78,542	(3)	(3)	516,701,470	(3)	(3)	267,920,487	(3)	(3)
$2,500,000 to $4,999,999	107	(3)	(3)	47,853	(3)	(3)	359,793,137	(3)	(3)	194,404,499	(3)	(3)
$5,000,000 and over	127	(3)	(3)	283,463	(3)	(3)	2,981,889,398	(3)	(3)	1,173,981,502	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[2] No data.

[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	6,686	8,305	530,035	471,242	$4,656,718,046	$3,466,188,493	$2,067,343,879	$1,546,945,240
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	3,569	3,249	506,650	444,516	4,478,307,609	3,299,255,502	1,969,743,415	1,475,524,905
Other forms of ownership or control (individual, partnership, etc.)	3,117	5,056	23,385	26,726	178,410,437	166,932,981	97,600,464	71,420,335
TYPE OF OPERATION								
Central-administrative office (plural-unit)	889	(1)	299,991	(1)	2,609,287,884	(1)	1,126,979,390	(1)
Independent (single-unit)	5,797	(1)	230,044	(1)	2,047,430,162	(1)	940,364,489	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR THE DETROIT INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	2,356,746	1,005,388	2,154	342,131	546	603,860	202	11,331	183	48,066	194,356	1,351,358	58,050	655,977
1927	2,214,747	999,092	2,472	365,584	500	589,077	235	8,980	207	35,451	141,656	1,215,655	47,355	582,681
1925	1,887,750	926,312	2,508	438,353	335	438,862	323	8,959	266	40,138	113,487	961,438	76,424	650,578
1919 [1]	1,193,709	652,952	3,200	440,130	311	152,781	776	19,695	395	40,346	53,626	540,757	23,052	277,514
1914 [1]	726,777	538,075	[2] 4,177	[2] 486,771	(3)	(3)	1,062	19,593	551	31,711	19,896	188,702	9,096	123,264
DETROIT INDUSTRIAL AREA (OAKLAND AND WAYNE COUNTIES)	1,238,348	467,531	605	99,616	263	363,720	59	2,883	11	1,312	115,031	770,817	30,089	280,216
Counties in which aggregate horsepower exceeded 25,000: 1929														
Bay	43,545	18,177	65	5,606	15	12,038	3	533			2,996	25,363	464	10,923
Berrien	33,144	10,240	36	5,227	3	2,450	4	98	8	2,465	2,764	22,904	525	13,393
Calhoun	53,224	9,627	41	[4] 6,657	7	2,460	1	(4)	11	510	5,637	43,597	803	5,468
Delta	26,206	23,795	44	7,942	6	8,427	6	126	4	7,300	246	2,411	188	10,331
Dickinson	31,432	26,685	14	819	7	12,666			3	13,200	607	4,747	1,190	12,783
Genesee	122,547	17,542	16	3,870	11	13,248	6	74	3	350	14,925	105,005	704	8,769
Ingham	74,146	11,590	46	[4] 7,471	12	3,893	1	(4)	3	226	10,711	62,556	975	8,232
Jackson	40,963	3,172	28	[5] 1,647	12	1,348	14	177	1	(5)	4,772	37,791	65	432
Kalamazoo	83,107	65,219	97	[4] 22,344	30	42,485	1	(4)	6	390	3,353	17,883	1,949	54,587
Kent	93,476	46,495	176	27,917	39	17,294	3	170	15	1,114	7,056	46,981	5,047	28,461
Midland	37,287	37,015	11	10,215	4	26,800					83	272	1,959	20,800
Monroe	30,689	20,224	61	[6] 20,224	1	(6)	1	(6)	1	(6)	638	10,465	618	11,219
Muskegon	54,034	27,554	27	9,049	19	15,670	15	2,835			3,392	26,480	3,188	38,873
Oakland	100,458	9,135	50	6,121	21	1,682	8	720	9	612	16,126	91,323	67	910
Saginaw	51,722	13,507	69	11,458	11	1,559	2	65	8	425	5,472	38,215	1,085	5,142
St. Clair	33,967	9,677	63	7,637	4	1,882	2	158			2,150	24,290	724	7,399
Wayne	1,137,890	458,396	555	93,495	242	362,038	51	2,163	2	700	98,905	679,494	30,022	279,306

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.
[5] Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.
[6] Items for steam turbines, internal-combustion engines, and water wheels and water turbines included with that for steam engines to avoid disclosing data for individual establishments.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 4 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	2,356,746	1,005,388	1,351,358	655,977
Allegan	13,157	11,345	1,812	8,463
Alpena	23,982	22,617	1,365	37,920
Antrim	1,449	836	613	115
Barry	2,863	2,114	749	2,673
Bay	43,545	18,177	25,368	10,923
Benzie	47	----------	47	----------
Berrien	33,144	10,240	22,904	13,393
Branch	7,028	3,471	3,557	940
Calhoun	53,224	9,627	43,597	5,408
Cass	5,572	2,210	3,362	291
Charlevoix	934	714	220	824
Cheboygan	1,106	375	731	----------
Chippewa	8,109	1,022	7,087	----------
Clare	182	80	102	----------
Clinton	1,100	321	779	163
Delta	26,206	23,795	2,411	10,331
Eaton	7,396	2,800	4,596	1,508
Emmet	7,905	7,502	403	8,432
Genesee	122,547	17,542	105,005	8,709
Gladwin	119	12	107	----------
Gogebic	1,162	750	412	----------
Grand Traverse	2,144	409	1,735	----------
Gratiot	6,281	4,855	1,426	3,422
Hillsdale	4,865	2,768	2,097	1,310
Houghton	8,490	3,581	4,909	1,550
Huron	3,570	2,768	802	328
Ingham	74,146	11,590	62,556	8,232
Ionia	7,122	5,693	1,429	2,920
Iosco	6,023	260	5,763	----------
Iron	143	----------	143	----------
Isabella	4,337	3,574	763	3,320
Jackson	40,963	3,172	37,791	432
Kalamazoo	83,107	65,219	17,888	54,587
Kent	93,476	46,495	46,981	28,461
Lapeer	952	117	835	----------
Leelanau	354	315	39	----------
Lenawee	11,161	5,244	5,917	5,449
Livingston	1,430	275	1,155	73
Luce	4,387	4,368	19	3,046
Mackinac	126	110	16	----------
Macomb	5,329	2,286	3,043	----------
Manistee	10,843	9,953	890	6,017
Marquette	8,491	3,312	5,179	738
Mason	5,290	2,360	2,930	2,098
Mecosta	2,355	538	1,817	----------
Menominee	15,575	11,190	4,385	5,380
Monroe	30,689	20,224	10,465	11,219
Montcalm	3,656	2,847	809	2,390
Montmorency	431	[2] 431	([2])	----------
Muskegon	54,034	27,554	26,480	38,873
Newaygo	3,577	3,104	473	3,751
Oakland	100,458	9,135	91,323	910
Oceana	822	193	629	----------
Ogemaw	150	136	14	----------
Ontonagon	4,960	4,950	10	3,958
Osceola	312	255	57	----------
Otsego	576	500	76	----------
Ottawa	16,089	8,279	7,810	5,886
Presque Isle	296	96	200	----------
Saginaw	51,722	13,507	38,215	5,142
St. Clair	33,967	9,677	24,290	7,399
St. Joseph	18,519	13,686	4,833	7,590
Senilac	764	331	433	----------
Schoolcraft	14,614	14,547	67	3,245
Shiawassee	10,050	3,308	6,742	1,998
Tuscola	2,984	2,515	469	818
Van Buren	3,270	1,390	1,880	2,093
Washtenaw	10,336	2,414	7,922	720
Wayne	1,137,890	458,396	679,494	279,306
Wexford	10,793	7,947	2,846	600
All other counties [3]	84,050	73,964	10,086	42,503

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Item for electric motors included with that for prime movers to avoid disclosing data for a single establishment.
[3] Alcona, Alger, Arenac, Baraga, Crawford, Dickinson, Kalkaske, Keweenaw, Midland, Missaukee, Oscoda, and Roscommon Counties.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	12,896,887	$53,683,208	12,981,765	10,887,871	8,298,455	6,081,917	4,592,831
Anthracite (tons, 2,240 pounds)	119,529	676,970	([3])	60,700	50,516	95,815	61,448
Bituminous (tons, 2,000 pounds)	12,763,015	53,006,238	([3])	10,819,887	8,241,877	5,974,604	4,524,009
Coke (tons, 2,000 pounds)	1,205,929	6,685,822	([4])	([4])	812,041	460,122	270,264
Fuel oils, including crude oils and gas oils (gallons) [5]	175,272,244	9,404,884	([4])	([4])	73,123,638	32,810,904	16,133,880
Gasoline and kerosene (gallons) [6]	7,873,497	1,692,025	([4])	([4])	6,317,598		
Gas, natural (M cubic feet)	4,032,561	678,353	([4])	([4])	2,105,985	2,455,572	316,102
Gas, manufactured (M cubic feet)	28,564,942	8,324,899	([4])	([4])			
Other fuels	----------	1,457,280	([4])	([4])	([4])	([4])	([4])
Electric energy purchased (kilowatt-hours)	2,028,421,694	31,741,606	([5])	([4])	([4])	([4])	([4])
Total cost of fuel and purchased energy	----------	[7] 113,668,077	*Cost* $98,465,268	*Cost* ([3])	*Cost* $66,337,153	*Cost* $23,473,021	*Cost* $16,824,150

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages [2]	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [3]
All industries, total	6,686	[4] 69,144	530,035	1,005,388	1,351,358	*Dollars* [4] 201,283,914	*Dollars* 840,505,363	*Dollars* 2,480,160,584	*Dollars* 109,213,583	*Dollars* 4,656,718,046	*Dollars* 2,067,343,879
Aircraft and parts	12	139	1,510	----------	2,187	470,481	2,538,920	3,239,615	71,421	8,723,716	5,412,680
Awnings, tents, sails, and canvas covers	32	100	357	----------	145	215,923	482,870	1,221,759	9,850	2,510,732	1,279,123
Baskets and rattan and willow ware, not including furniture	14	35	446	390	922	74,017	384,617	608,310	15,782	1,422,307	798,215
Belting, leather	7	38	164	100	324	141,780	230,907	1,884,336	20,982	2,994,841	1,089,523
Beverages	136	206	844	1,115	2,306	529,372	1,370,711	3,000,553	158,297	8,000,550	4,841,700
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	9	33	288	----------	2,206	164,001	460,146	1,004,984	82,675	2,221,087	1,133,428
Bookbinding and blank-book making	27	237	1,192	----------	1,278	653,353	1,641,154	1,993,091	64,512	6,761,200	4,703,597
Boots and shoes, other than rubber	8	75	737	307	443	166,854	768,659	2,827,164	30,962	4,002,943	1,144,817
Boxes, cigar, wooden	5	16	219	----------	142	49,277	159,780	225,160	6,539	619,552	387,853
Boxes, paper, not elsewhere classified	23	129	1,453	15	1,442	353,527	1,668,224	7,324,575	99,543	10,282,656	2,858,638
Boxes, wooden, except cigar boxes	28	77	781	1,700	2,374	221,303	891,715	2,160,832	35,178	3,881,408	1,685,398
Bread and other bakery products	745	1,049	9,349	2,022	13,192	2,431,943	13,255,656	35,386,085	1,475,336	73,519,439	36,658,038
Brooms	7	4	89	----------	67	7,350	78,806	107,541	2,424	242,944	132,979
Brushes, other than rubber	13	27	144	----------	195	62,525	169,968	479,637	6,841	948,080	461,602
Butter	212	289	838	1,899	6,067	490,788	1,096,197	24,812,117	268,955	29,121,355	4,040,283
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	4	3	20	----------	22	2,560	27,140	97,697	8,242	140,931	34,992
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	83	346	2,617	2,515	4,169	700,687	1,861,595	9,512,431	193,987	16,269,578	6,563,160
Car and general construction and repairs, electric-railroad repair shops	13	86	921	----------	2,225	202,366	1,716,350	1,102,663	82,608	3,103,988	1,918,717
Car and general construction and repairs, steam-railroad repair shops	47	538	7,328	3,440	24,315	1,346,986	11,506,628	9,360,896	734,926	22,962,343	12,866,521
Card cutting and designing	5	83	494	475	798	349,672	619,804	3,742,497	29,550	5,850,673	2,078,626
Caskets, coffins, burial cases, and other morticians' goods	20	104	533	435	480	273,463	685,766	1,918,085	37,320	3,616,169	1,660,764
Cement	14	170	2,502	50,581	17,577	502,305	4,022,974	4,745,618	3,974,589	20,162,341	11,442,134
Cheese	47	32	79	261	254	69,690	109,335	1,727,481	22,489	2,145,989	396,019
Chemicals, not elsewhere classified	13	715	5,414	103,968	11,660	2,240,191	9,114,215	18,241,453	6,870,937	53,183,206	28,070,816
Cigars and cigarettes	42	138	4,073	----------	586	528,961	3,089,112	7,288,266	58,288	15,103,327	7,756,773
Clay products (other than pottery) and nonclay refractories	29	102	843	4,296	3,634	321,849	1,205,462	243,958	727,925	3,112,781	2,140,898
Cleaning and polishing preparations	21	94	324	280	1,263	329,519	487,914	3,449,028	51,097	8,355,026	5,354,901
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	22	84	1,085	----------	198	334,355	927,428	2,162,105	17,249	4,414,972	2,235,618
Clothing, women's, not elsewhere classified	27	130	1,420	----------	273	284,155	1,027,440	3,279,494	27,368	5,885,857	2,578,995
Coffee and spice, roasting and grinding	18	43	130	----------	679	129,504	179,509	4,111,687	35,154	5,543,939	1,397,098
Compressed and liquefied gases	13	132	127	150	2,219	229,338	216,160	611,621	122,824	2,309,749	1,575,304
Concrete products	194	185	1,046	483	3,831	440,875	1,566,387	2,396,157	118,129	7,051,101	4,536,815
Condensed and evaporated milk	30	83	476	3,864	1,454	168,112	608,114	9,748,708	271,441	13,106,469	3,086,320
Confectionery	55	167	1,223	625	989	397,480	1,031,072	4,676,792	97,533	8,035,587	3,261,262
Cooperage	3	7	30	45	55	12,129	46,118	188,495	2,753	289,181	97,933
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	66	400	1,362	194	2,349	969,732	2,200,533	4,817,502	64,873	11,167,506	6,285,131
Cordage and twine	3	15	62	----------	167	68,191	76,271	177,204	7,276	449,718	265,238
Corsets and allied garments	11	186	1,208	530	307	553,369	904,161	2,488,593	34,142	6,417,610	3,894,875
Cotton goods	9	21	262	----------	1,960	89,912	296,591	1,580,508	47,664	2,772,720	1,144,548
Cutlery (not including silver and plated cutlery) and edge tools	5	23	103	160	281	69,272	121,012	92,337	14,015	495,962	389,610
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	9	25	90	----------	150	64,717	131,172	307,749	10,148	674,285	356,388
Dental goods and equipment	3	7	4	----------	23	26,260	5,681	19,114	622	68,453	48,717
Electrical machinery, apparatus, and supplies	61	1,350	8,196	1,680	10,655	3,654,846	10,140,613	29,219,508	475,427	62,394,174	32,699,239
Electroplating	34	91	858	----------	2,826	304,340	1,455,543	502,324	151,468	3,074,528	2,420,736
Emery wheels and other abrasive and polishing appliances	5	40	197	----------	2,696	159,426	285,797	536,217	42,873	1,278,805	699,715
Engines, turbines, tractors, and water wheels	20	1,119	8,951	14,805	33,966	3,286,893	14,216,820	21,746,019	1,137,033	51,454,849	28,571,797
Engraving, steel and copperplate, and plate printing	8	16	72	----------	77	43,193	123,868	69,778	2,246	334,783	262,759
Envelopes	4	53	186	----------	210	154,540	219,931	601,099	12,138	1,325,562	712,325
Fancy and miscellaneous articles, not elsewhere classified	12	29	221	----------	171	61,977	179,760	417,447	10,113	918,895	491,335
Feeds, prepared, for animals and fowls	15	47	86	77	1,078	126,910	111,267	2,298,637	29,323	3,014,202	686,242
Fire extinguishers, chemical	3	3	7	----------	6	2,093	4,874	17,302	166	66,860	49,332
Flavoring extracts and flavoring syrups	29	85	264	1,078	1,262	292,338	510,024	1,790,931	108,900	4,047,270	2,147,439
Flour and other grain-mill products	134	219	609	10,884	7,117	477,582	862,673	14,345,529	230,361	18,868,507	4,232,617
Food preparations, not elsewhere classified	36	125	575	187	2,322	391,791	590,060	4,417,704	128,289	8,421,086	3,875,093
Forgings, iron and steel, not made in plants operated in connection with rolling mills	19	122	1,500	450	6,125	495,458	2,528,588	3,764,118	614,971	9,793,359	5,414,270
Foundry and machine-shop products, not elsewhere classified	468	5,070	42,492	12,377	126,908	16,097,659	66,191,477	71,857,076	7,203,961	216,312,128	137,251,091
Foundry supplies	4	34	112	----------	374	162,615	215,152	539,602	17,050	1,349,148	792,496
Fur goods	41	65	403	----------	183	217,385	660,189	1,744,180	23,338	3,869,029	2,101,511
Furnishing goods, men's, not elsewhere classified	6	12	95	----------	29	35,809	104,153	308,892	1,655	574,478	263,931
Furniture, including store and office fixtures	209	2,525	20,941	33,079	16,412	8,123,852	27,908,837	37,746,841	1,243,098	99,714,641	60,724,702

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Gas and electric fixtures; lamps, lanterns, and reflectors	15	99	2,010	1,475	3,487	402,276	3,180,406	4,543,422	129,108	13,128,787	8,456,257
Gas, manufactured, illuminating and heating	53	1,977	3,096	35,796	13,463	3,204,477	4,871,321	6,712,515	8,663,243	40,704,848	25,329,090
Glass products (except mirrors) made from purchased glass	8	26	63	----------	77	73,331	102,289	148,255	3,247	371,535	220,033
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics	4	12	177	----------	96	29,298	157,123	482,376	3,943	771,307	284,988
Gloves and mittens, leather	5	8	297	----------	122	20,665	211,966	481,731	5,908	820,711	333,072
Grease and tallow, not including lubricating greases	14	46	298	370	1,756	150,572	539,518	846,539	195,409	2,666,714	1,624,766
Hand stamps and stencils and brands	15	41	89	----------	149	119,498	132,389	214,936	5,966	616,534	395,632
Hardware not elsewhere classified	31	715	10,077	1,190	17,749	2,039,236	14,151,517	16,581,662	745,894	47,985,985	30,658,429
Hats and caps, except felt and straw, men's	6	6	73	----------	30	19,733	81,711	185,654	1,644	373,672	186,374
House-furnishing goods, not elsewhere classified	19	96	422	825	273	356,252	526,778	1,431,280	27,946	3,438,178	1,978,952
Ice cream	107	152	789	430	8,013	354,502	1,195,007	7,104,118	264,065	14,899,063	7,530,880
Ice, manufactured	72	129	507	1,460	21,824	317,781	919,015	119,674	699,981	4,459,046	3,639,391
Ink, printing	5	40	57	----------	579	165,099	82,878	527,629	22,412	1,372,199	822,158
Iron and steel: Blast furnaces	6	66	857	90,560	25,507	235,838	1,502,103	6,156,577	3,740,708	14,420,760	4,523,475
Iron and steel: Steel works and rolling mills	14	332	4,724			1,559,239	9,111,336	23,180,060	4,168,768	56,183,680	28,834,852
Iron and steel, processed	11	30	90	----------	223	152,536	184,687	82,114	74,100	753,907	597,698
Jewelry	19	73	188	----------	94	242,686	361,230	925,113	8,434	2,143,454	1,209,907
Knit goods	20	236	2,789	3,632	785	671,122	2,070,117	4,367,409	136,562	9,705,972	5,202,001
Labels and tags	8	39	164	----------	268	95,897	194,905	308,941	9,661	1,005,939	687,337
Leather goods, not elsewhere classified	8	20	115	----------	56	80,304	195,115	459,197	4,548	938,894	475,149
Leather: Tanned, curried, and finished	13	182	2,070	6,794	2,372	517,739	2,584,427	13,347,588	337,519	19,250,379	5,565,272
Lime	5	27	167	500	1,026	82,388	186,071	157,409	91,323	924,113	675,381
Lithographing	11	130	505	656	515	403,896	902,481	1,178,759	46,136	3,616,617	2,391,722
Lubricating oils and greases, not made in petroleum refineries	7	81	80	20	758	216,403	129,441	2,141,828	28,659	4,011,220	1,840,733
Lumber and timber products, not elsewhere classified	110	468	11,638	61,597	5,177	1,391,055	14,058,899	11,876,673	594,980	39,100,102	26,628,449
Machine-tool accessories and small metal-working tools, not elsewhere classified	133	1,114	9,010	----------	21,051	4,556,703	21,240,943	10,026,395	722,992	57,704,438	46,955,051
Machine tools	22	277	1,554	650	5,033	904,433	2,727,798	2,278,950	151,813	8,126,982	5,696,219
Marble, granite, slate, and other stone products	44	169	583	----------	4,676	646,731	1,213,922	1,728,261	98,416	4,723,279	2,896,602
Mattresses and bed springs, not elsewhere classified	22	55	367	----------	948	172,269	544,423	1,481,442	33,407	3,087,600	1,572,751
Meat packing, wholesale	47	600	2,286	2,430	5,085	1,549,420	3,421,339	55,752,900	352,475	65,025,621	8,920,246
Mirror and picture frames	6	8	33	----------	74	13,165	60,516	39,868	2,493	179,877	137,516
Mirrors, framed and unframed	8	23	139	85	162	65,679	203,872	442,555	14,071	928,927	472,301
Models and patterns, not including paper patterns	59	128	1,115	----------	1,775	522,342	2,775,534	915,100	73,286	5,842,498	4,854,112
Motion pictures, not including projection in theaters	4	32	23	----------	14	145,850	46,339	89,922	2,510	325,416	232,984
Motor-vehicle bodies and motor-vehicle parts	124	7,646	105,572	61,322	259,137	23,750,560	186,927,518	419,811,193	10,101,802	738,406,167	308,493,172
Motor vehicles, not including motorcycles	40	13,477	108,796	150,784	310,876	39,264,425	188,799,808	1,021,755,900	13,199,497	1,549,658,499	614,703,102
Musical instruments and parts and materials, not elsewhere classified	5	35	167	----------	940	72,250	231,773	118,120	16,776	677,994	543,098
Musical instruments: Pianos	4	128	572	1,180	240	343,376	750,458	1,583,475	46,179	3,007,628	1,377,974
Nonferrous-metal alloys and products, not including aluminum products	93	1,231	10,219	15,543	29,812	4,045,131	15,181,748	55,727,189	2,050,327	91,469,188	33,691,672
Paints and varnishes	47	926	1,865	344	10,840	2,716,275	2,719,175	24,464,562	344,737	43,692,920	18,883,621
Paper	42	1,171	11,455	179,740	19,352	4,087,560	16,268,768	51,928,828	5,704,472	97,322,852	39,689,552
Pulp (wood and other fiber)	11	47	899			151,926	1,208,673	5,406,032	497,660	8,681,479	2,777,787
Paper goods, not elsewhere classified	16	86	349	320	880	236,507	410,896	1,913,120	46,471	3,391,016	1,431,425
Patent or proprietary medicines and compounds	54	567	1,243	1,650	1,755	1,784,971	1,617,841	5,457,404	105,672	18,978,300	13,415,224
Perfumes, cosmetics, and other toilet preparations	18	151	274	125	118	448,605	287,507	996,571	13,643	3,250,928	2,240,714
Photo-engraving, not done in printing establishments	28	194	696	----------	616	824,513	1,547,955	565,104	61,184	4,331,073	3,704,785
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	153	769	3,784	12,320	18,654	2,304,917	4,774,454	13,988,740	415,397	25,614,233	11,210,096
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	12	162	1,126	590	2,656	481,258	1,369,215	2,393,927	159,984	6,004,251	3,450,340
Poultry killing, dressing, and packing, wholesale	13	24	140	75	141	73,547	144,732	2,727,653	11,887	3,273,367	533,827
Printing and publishing, book and job	482	1,573	6,074	300	7,687	4,481,409	10,703,368	12,147,930	387,750	40,905,467	28,369,787
Printing and publishing, newspaper and periodical	408	4,198	3,950	27	15,115	9,586,915	8,134,681	13,004,577	431,024	59,211,550	45,775,949
Printing materials, not including type or ink	6	17	46	----------	288	44,004	62,468	91,612	10,069	386,615	284,934
Pumps (hand and power) and pumping equipment	22	458	2,350	2,650	6,515	1,102,827	4,018,022	7,694,747	272,803	15,802,643	7,835,093
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	14	303	2,511	7,763	948	839,005	3,182,111	7,447,789	309,249	14,188,443	6,431,405
Refrigerators, mechanical	6	622	1,431	----------	4,994	1,934,291	2,522,239	11,112,435	118,646	23,108,089	11,877,008
Rubber goods other than tires, inner tubes, and boots and shoes	9	71	502	60	4,193	229,390	957,655	2,644,554	116,940	5,077,398	2,315,904
Saddlery and harness	5	4	26	----------	58	12,880	32,519	94,053	2,309	177,800	81,438
Salt	11	192	1,499	14,120	2,607	432,540	2,152,730	3,583,166	1,174,338	11,821,606	7,064,102
Sand-lime brick	12	43	179	325	1,313	122,705	264,982	324,569	85,223	1,133,823	724,031

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	49	129	645	45	3,116	340,383	1,042,021	9,507,570	127,505	12,564,675	2,929,300
Saws	7	18	56	100	156	51,673	93,409	145,023	9,615	501,690	347,052
Screw-machine products and wood screws	39	305	3,418	----------	14,543	1,469,596	5,902,443	8,280,001	402,411	22,031,065	13,348,653
Ship and boat building, steel and wooden, including repair work	30	226	1,803	2,293	4,241	691,037	3,019,225	4,519,109	141,994	10,924,105	6,263,002
Shirts	11	35	453	----------	160	79,359	253,933	760,562	8,065	1,426,369	657,742
Signs and advertising novelties	56	200	834	300	1,041	499,715	1,275,383	1,670,045	91,044	5,460,740	3,699,651
Sporting and athletic goods, not including firearms and ammunition	10	181	516	110	829	442,232	613,749	748,125	36,324	2,772,175	1,987,726
Springs, steel, except wire, not made in plants operated in connection with rolling mills	4	39	644	----------	1,844	145,296	1,192,610	6,236,636	186,815	9,324,668	2,901,217
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	53	513	3,799	40	9,474	1,668,401	5,623,366	7,386,876	418,947	20,153,220	12,347,397
Statuary and art goods, factory product	6	4	50	----------	6	6,715	127,880	29,321	1,695	227,584	196,568
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	13	112	912	----------	1,062	493,426	1,054,198	3,735,930	50,335	7,781,245	3,994,980
Steam fittings and steam and hot-water heating apparatus	15	260	1,699	2,188	2,106	741,457	2,547,511	2,454,356	267,046	9,272,349	6,550,947
Stereotyping and electrotyping, not done in printing establishments	11	103	374	----------	1,207	310,776	893,728	470,949	65,947	2,597,189	2,060,293
Stoves and ranges (other than electric) and warm-air furnaces	31	731	4,432	2,895	9,475	2,076,845	7,267,698	11,015,165	799,705	33,932,258	22,117,388
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	64	372	1,701	----------	6,762	1,234,826	3,251,125	7,426,601	133,207	15,530,644	7,970,836
Sugar, beet	12	98	619	14,639	1,253	209,339	825,111	4,761,435	452,365	7,335,204	2,121,404
Surgical and orthopedic appliances, including artificial limbs	10	59	127	----------	52	127,178	104,382	270,957	5,120	903,335	627,258
Tin cans and other tinware, not elsewhere classified	4	94	605	110	1,055	192,662	839,985	1,336,451	48,644	3,015,533	1,630,438
Tools, not including edge tools, machine tools, files, or saws	32	260	1,709	1,323	2,716	855,170	2,404,588	1,809,098	136,318	8,066,542	6,121,126
Toys (not including childrens' wheel goods or sleds), games, and playground equipment	12	92	510	660	1,102	238,291	604,794	698,821	37,548	2,253,632	1,517,263
Trunks, suitcases, and bags	11	79	505	125	495	178,118	654,720	1,287,940	33,100	2,629,132	1,308,092
Vinegar and cider	11	10	33	167	226	20,357	36,501	150,753	6,386	275,921	118,782
Wall plaster, wall board, insulating board, and floor composition	8	49	433	799	14,017	137,292	610,080	1,828,230	425,382	3,944,225	1,690,613
Waste	5	30	160	195	218	71,220	147,841	601,742	22,335	1,096,767	472,690
Window and door screens and weather strip	17	61	441	1,200	1,121	186,137	491,412	1,421,264	18,517	2,546,413	1,106,632
Window shades and fixtures	20	171	827	1,932	194	380,491	941,713	2,002,223	43,695	5,237,744	3,191,826
Wirework, not elsewhere classified	36	533	6,162	860	8,137	1,785,337	7,834,173	13,876,674	355,762	31,416,557	17,184,221
Wood distillation and charcoal manufacture	8	50	897	3,713	4,441	131,354	1,269,559	2,285,803	414,182	6,365,848	3,665,863
Wood preserving	11	35	260	226	498	114,731	363,321	3,383,436	45,653	4,433,076	1,003,987
Wood turned and shaped and other wooden goods, not elsewhere classified	53	174	1,427	4,041	2,455	527,946	1,694,182	2,214,609	103,826	6,351,694	4,033,259
Woolen goods	9	66	955	765	2,627	259,041	989,837	4,049,903	135,234	6,266,040	2,080,903
Other industries	270	5,143	32,900	54,487	84,210	13,840,390	47,104,273	154,207,512	19,598,339	345,704,229	171,898,378

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 8,593 employees of central administrative offices, with salaries aggregating $26,541,705. See GENERAL EXPLANATIONS—Persons Engaged.

TABLE 13.—GENERAL STATISTICS FOR THE DETROIT INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents for the Detroit Industrial Area (See GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
DETROIT INDUSTRIAL AREA											
[This area comprises Oakland and Wayne Counties]											
All industries, total	2,806	38,648	293,252	467,531	770,817	*Dollars* 121,001,797	*Dollars* 511,638,683	*Dollars* 1,551,618,764	*Dollars* 63,297,696	*Dollars* 2,844,610,198	*Dollars* 1,229,693,738
Aircraft and parts	6	103	1,424	.....	2,070	365,749	2,402,449	3,104,325	64,925	8,375,060	5,205,810
Awnings, tents, sails, and canvas covers	13	88	298	.....	99	189,750	399,792	1,058,250	6,959	2,092,960	1,027,751
Beverages	50	142	537	844	1,359	406,079	975,125	1,793,390	110,238	4,911,489	3,007,861
Bookbinding and blank-book making	14	69	373	.....	278	310,713	504,563	343,052	10,462	1,583,160	1,229,646
Boxes, paper, not elsewhere classified	9	47	337	.....	376	165,152	399,652	1,112,930	21,227	1,834,501	700,344
Boxes, wooden, except cigar boxes	9	47	382	500	1,510	152,205	473,304	880,283	24,151	1,978,585	1,074,151
Bread and other bakery products	312	677	5,506	1,913	7,117	1,355,135	8,757,077	22,420,855	902,427	47,377,739	24,054,457
Brushes, other than rubber	7	21	105	.....	102	52,203	129,529	414,085	4,880	789,010	370,045
Butter	7	38	90	70	1,554	86,496	137,826	3,005,746	29,047	3,706,015	671,222
Caskets, coffins, burial cases, and other morticians' goods	7	30	150	100	242	92,283	224,066	622,261	13,937	1,154,910	518,712
Cement	3	26	553	11,285	6,609	73,878	994,065	1,488,275	1,152,049	5,540,041	2,899,717
Cigars and cigarettes	17	100	3,323	.....	539	430,353	2,616,244	6,437,222	52,420	13,252,510	6,762,868
Clay products (other than pottery) and nonclay refractories	14	66	450	2,759	1,764	245,054	755,372	161,318	443,980	1,971,184	1,365,886
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	16	40	272	.....	80	120,106	320,415	471,639	6,640	1,257,819	779,540
Clothing, women's, not elsewhere classified	10	30	146	.....	50	61,831	133,961	337,755	2,870	728,566	387,941
Coffee and spice roasting and grinding	12	42	117	.....	586	124,735	164,425	3,870,200	31,876	5,216,375	1,314,299
Compressed and liquefied gases	6	113	92	150	1,727	193,399	168,410	413,453	88,347	1,638,209	1,136,409
Concrete products	81	102	581	120	2,185	281,870	911,118	1,471,651	71,424	4,438,883	2,895,808
Confectionery	26	65	625	.....	510	122,936	561,977	2,667,029	48,799	4,402,673	1,786,846
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	40	167	720	.....	814	566,477	1,437,863	2,925,198	28,979	6,133,655	3,179,478
Electrical machinery, apparatus, and supplies	27	596	2,043	200	4,540	1,869,707	3,109,536	7,637,263	154,479	18,235,742	10,444,000
Electroplating	26	71	655	.....	2,063	262,865	1,135,284	405,879	119,474	2,418,656	1,893,303
Engraving, steel and copperplate, and plate printing	5	14	49	.....	56	41,662	82,587	67,176	1,975	265,608	206,457
Fancy and miscellaneous articles, not elsewhere classified	5	10	54	.....	23	15,632	65,030	83,977	2,788	214,225	127,460
Flavoring extracts and flavoring sirups	16	58	175	812	1,092	223,353	380,955	1,130,739	86,813	2,573,946	1,356,394
Food preparations, not elsewhere classified	18	35	193	.....	219	136,958	199,728	1,569,615	36,597	2,386,722	780,510
Forgings, iron and steel, not made in plants operated in connection with rolling mills	11	59	535	.....	2,543	237,648	944,412	1,515,694	187,490	3,849,147	2,145,963
Foundry and machine-shop products, not elsewhere classified	197	1,738	10,752	335	37,539	6,244,399	19,340,365	24,817,490	1,747,941	70,196,829	43,631,398
Foundry supplies	4	34	112	.....	374	162,615	215,152	539,602	17,050	1,349,148	792,496
Fur goods	33	47	332	.....	126	171,421	584,213	1,579,706	19,718	3,481,444	1,882,020
Furniture, including store and office fixtures	47	235	1,290	495	2,610	844,711	2,062,397	3,514,425	92,700	8,516,392	4,909,267
Hand stamps and stencils and brands	11	28	46	.....	101	78,288	88,299	177,484	3,144	456,117	275,489
Ice cream	17	50	237	305	3,526	153,245	397,223	2,500,039	92,028	4,632,914	2,040,847
Ice, manufactured	40	60	210	1,085	13,437	138,314	485,391	60,386	450,918	2,761,581	2,250,277
Iron and steel, processed	11	30	90	.....	223	152,536	184,687	82,114	74,100	753,907	597,693
Iron and steel: Steel works and rolling mills	8	252	3,921	[1]89,850	[1]21,833	1,309,577	7,759,266	22,542,671	3,782,016	52,890,329	26,565,642
Jewelry	16	71	177	.....	91	240,708	349,716	912,295	8,162	2,100,454	1,179,997
Knit goods	7	21	135	1,057	69	70,470	169,028	278,134	13,621	627,131	235,376
Machine-tool accessories and small metal-working tools, not elsewhere classified	110	988	8,160	.....	18,418	4,209,883	19,793,282	9,339,109	641,261	53,682,037	43,701,667
Machine tools	8	71	607	225	1,446	253,513	1,102,446	984,687	64,505	2,654,401	1,605,209
Marble, granite, slate, and other stone products	30	139	612	.....	3,982	584,328	1,103,898	1,546,780	87,400	4,194,396	2,560,216
Mattresses and bed springs, not elsewhere classified	10	33	257	.....	524	118,751	398,051	1,018,088	22,640	2,202,559	1,161,831
Meat packing, wholesale	22	559	2,004	2,430	3,734	1,449,761	3,006,884	50,100,140	294,720	58,384,293	7,989,433
Mirror and picture frames	6	8	33	.....	74	13,165	60,516	39,868	2,493	179,877	137,516
Mirrors, framed and unframed	3	7	26	.....	36	12,116	43,650	52,787	2,301	152,317	97,229
Models and patterns, not including paper patterns	35	100	832	.....	1,376	415,253	2,181,527	769,940	57,912	4,603,546	3,775,694
Motion pictures, not including projection in theaters	4	32	23	.....	14	145,850	46,339	89,922	2,510	325,416	232,984
Motor-vehicle bodies and motor-vehicle parts	70	5,732	76,591	48,393	189,664	18,531,251	142,351,320	302,829,437	7,434,034	538,528,508	228,265,037
Motor vehicles, not including motorcycles	27	9,551	81,846	131,198	199,264	29,659,893	143,571,141	754,035,026	10,065,478	1,133,280,547	369,180,043
Nonferrous-metal alloys and products, not including aluminum products	63	943	8,736	15,318	26,250	3,289,991	13,115,417	49,823,904	1,638,883	79,257,541	27,794,754
Paints and varnishes	33	744	1,322	250	8,332	2,174,551	1,904,756	16,882,682	252,382	30,940,339	13,805,275
Paper	4	72	580	[2]7,650	[2]515	144,180	1,077,127	1,827,890	209,500	4,474,916	2,437,526
Paper goods, not elsewhere classified	5	23	60	.....	126	56,371	88,446	83,110	2,795	294,991	209,086
Patent or proprietary medicines and compounds	32	306	688	1,375	853	1,030,753	915,867	2,663,154	61,793	9,129,453	6,404,606
Photo-engraving, not done in printing establishments	15	156	613	.....	533	692,118	1,375,906	514,546	53,350	3,801,544	3,233,648
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	52	253	1,170	3,310	7,167	890,365	1,720,547	4,550,923	137,991	8,870,982	4,182,068
Poultry killing, dressing, and packing, wholesale	9	17	116	.....	100	63,081	122,793	2,395,689	9,101	2,859,916	455,126
Printing and publishing, book and job	252	1,025	3,739	.....	4,109	3,073,568	7,177,852	8,592,552	224,968	27,990,312	19,172,792
Printing and publishing, newspaper and periodical	104	2,523	1,794	1	9,997	6,336,126	4,514,857	9,871,418	194,615	38,816,690	28,750,657
Salt	3	62	234	100	2,502	88,945	368,092	468,247	145,401	1,725,989	1,112,341

See footnotes at end of section, p. 259.

TABLE 13.—GENERAL STATISTICS FOR THE DETROIT INDUSTRIAL AREA AND SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
DETROIT INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Sand-lime brick	7	26	108	150	841	87,823	167,715	206,721	48,961	679,917	424,235
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	22	80	436	35	2,062	244,348	775,607	6,832,464	83,500	8,988,908	2,072,944
Screw-machine products and wood screws	29	236	2,676	.....	9,355	1,202,368	4,801,132	7,181,674	297,246	18,240,256	10,761,336
Ship and boat building, steel and wooden, including repair work	13	116	993	2,093	2,320	387,127	1,804,806	1,894,906	103,405	4,725,811	2,727,600
Shirts	4	6	44	.....	10	16,480	56,688	77,247	990	225,922	147,685
Signs and advertising novelties	37	106	413	.....	335	293,279	722,061	853,548	31,699	3,067,470	2,182,323
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	33	351	2,731	.....	7,122	1,311,660	4,380,519	5,481,567	302,934	15,195,165	9,410,664
Statuary and art goods, factory product	6	4	50	.....	6	6,715	127,880	29,321	1,695	227,684	196,568
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	9	91	826	.....	879	436,216	966,436	2,859,987	35,571	6,639,729	3,744,171
Steam fittings and steam and hot-water heating apparatus	9	165	1,131	1,803	534	410,037	1,739,391	1,426,422	187,436	6,745,165	4,131,307
Stereotyping and electrotyping, not done in printing establishments	7	93	262	.....	954	268,782	644,315	391,303	47,223	2,050,115	1,611,589
Stoves and ranges (other than electric) and warm-air furnaces	12	316	1,956	855	3,632	768,584	3,142,918	5,119,938	368,211	14,435,824	8,947,675
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	53	300	1,504	.....	5,932	1,026,926	2,928,290	6,153,782	111,083	13,392,491	7,127,626
Surgical and orthopedic appliances, including artificial limbs	6	18	58	.....	25	57,062	69,635	155,901	3,353	380,592	221,338
Tools, not including edge tools, machine tools, files, or saws	20	80	415	75	1,040	415,619	1,079,356	610,168	42,831	3,491,029	2,838,030
Toys (not including children's wheel goods or sleds), games, and playground equipment	4	42	289	660	310	151,987	382,424	327,087	18,331	1,261,000	915,682
Window and door screens and weather strip	11	28	103	.....	292	67,212	144,162	267,466	6,338	633,463	359,659
Window shades and fixtures	16	26	52	.....	27	60,335	53,878	205,987	3,187	471,695	262,421
Wirework, not elsewhere classified	21	326	4,671	180	6,238	1,200,440	6,022,510	9,552,265	213,229	21,599,788	11,834,294
Wood preserving	6	17	29	.....	50	76,874	44,839	863,694	3,306	1,198,612	331,612
Wood turned and shaped and other wooden goods, not elsewhere classified	6	18	65	.....	297	63,752	107,820	93,595	8,154	336,917	235,168
Other industries	420	7,547	47,620	139,550	130,454	21,463,945	75,455,084	158,250,216	29,766,429	419,278,639	231,261,994

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the data reported by individual establishments.

[2] Includes item for "Pulp (wood and other fiber)" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the data reported by individual establishments.

CALHOUN COUNTY

All industries, total	170	2,111	11,869	9,627	43,597	*Dollars* 4,436,371	*Dollars* 17,405,034	*Dollars* 41,198,522	*Dollars* 2,758,908	*Dollars* 109,557,454	*Dollars* 65,600,024
Bread and other bakery products	19	25	188	.....	344	53,485	251,470	652,387	29,831	1,260,598	578,380
Butter	4	8	14	.....	71	15,156	19,829	289,518	4,810	362,106	67,778
Concrete products	5	1	11	.....	23	(3)	15,225	18,759	796	47,568	28,013
Flour and other grain-mill products	7	2	14	695	60	(3)	16,990	232,540	1,526	323,724	89,658
Foundry and machine-shop products, not elsewhere classified	18	339	3,516	.....	9,291	1,052,230	4,944,541	4,228,385	554,997	15,225,814	10,442,432
Ice cream	3	4	12	.....	162	8,950	17,981	90,634	3,991	202,903	108,278
Patent or proprietary medicines and compounds	6	18	26	.....	46	59,812	35,071	60,346	1,865	523,531	461,320
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	4	13	28	.....	253	20,380	40,084	55,027	5,014	149,561	89,620
Printing and publishing, book and job	14	41	191	75	290	104,373	316,274	332,080	15,599	1,031,479	683,800
Printing and publishing, newspaper and periodical	11	115	90	.....	221	121,434	200,964	145,008	13,520	883,140	724,612
Other industries	79	1,545	7,779	8,857	32,836	3,000,551	11,546,605	35,093,838	2,126,959	89,647,030	52,326,233

[3] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

GENESEE COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	136	3,842	32,001	17,542	105,005	*Dollars* 9,963,402	*Dollars* 52,642,271	*Dollars* 217,349,801	*Dollars* 4,358,217	*Dollars* 364,361,540	*Dollars* 142,653,622

TABLE 13.—GENERAL STATISTICS FOR THE DETROIT INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
INGHAM COUNTY											
All industries, total	158	2,305	19,132	11,590	62,556	*Dollars* 6,027,611	*Dollars* 28,840,477	*Dollars* 144,127,173	*Dollars* 2,533,060	*Dollars* 222,528,301	*Dollars* 75,868,068
Bread and other bakery products	21	21	189	-------	187	53,824	223,507	685,612	36,946	1,294,187	571,629
Forgings, iron and steel, not made in plants operated in connection with rolling mills	5	54	844	450	3,188	233,757	1,435,756	1,916,202	372,708	5,270,189	2,981,279
Foundry and machine-shop products, not elsewhere classified	7	66	507	400	499	165,111	708,577	1,167,457	51,197	3,211,455	1,992,801
Machine-tool accessories and small metal-working tools, not elsewhere classified	4	7	51	-------	160	20,480	93,449	16,821	2,662	168,504	149,021
Motor-vehicle bodies and motor-vehicle parts	6	264	5,664	4,350	8,837	628,003	8,544,572	31,779,109	359,710	51,698,676	19,559,857
Motor vehicles, not including motorcycles	4	1,289	9,479	4,688	37,794	3,480,608	14,114,534	101,534,574	935,822	142,882,529	40,412,133
Nonferrous-metal alloys and products, not including aluminum products	3	1	18	-------	66	(c)	28,414	96,467	4,788	153,329	52,074
Printing and publishing, book and job	20	41	244	-------	319	104,043	390,066	350,745	17,824	1,113,978	745,409
Printing and publishing, newspaper and periodical	14	135	151	-------	311	257,817	253,292	285,117	16,514	1,440,814	1,139,183
Other industries	74	427	1,985	1,702	11,195	1,083,968	3,048,310	6,295,069	734,889	15,294,640	8,264,682
JACKSON COUNTY											
All industries, total	138	1,370	11,375	3,172	37,791	*Dollars* 3,904,397	*Dollars* 15,662,204	*Dollars* 37,643,855	*Dollars* 1,895,500	*Dollars* 80,123,614	*Dollars* 40,584,259
Bread and other bakery products	18	10	120	1	277	32,806	169,529	462,198	21,163	882,953	399,692
Butter	4	-------	3	10	31	----------	3,332	77,702	1,923	90,918	11,293
Concrete products	6	10	31	60	59	37,466	52,805	75,227	4,590	222,702	142,885
Foundry and machine-shop products, not elsewhere classified	16	132	1,101	-------	7,830	524,194	1,719,174	2,252,011	162,628	6,845,005	4,430,366
Machine tools	4	71	270	-------	1,371	228,448	536,149	451,434	24,122	1,928,380	1,452,824
Motor-vehicle bodies and motor-vehicle parts	7	344	3,903	770	14,970	1,105,091	6,110,291	14,732,964	757,584	26,667,387	11,176,829
Printing and publishing, book and job	7	26	64	-------	113	47,245	111,819	88,094	6,446	335,343	240,803
Other industries	76	777	5,883	2,331	13,140	1,928,547	6,969,105	19,504,225	917,034	43,150,926	22,729,667
KALAMAZOO COUNTY											
All industries, total	200	1,885	12,145	65,219	17,888	*Dollars* 5,393,875	*Dollars* 16,967,201	*Dollars* 50,781,206	*Dollars* 2,767,867	*Dollars* 110,996,656	*Dollars* 57,447,583
Beverages	3	1	12	-------	28	(c)	16,446	28,509	966	75,713	46,248
Bread and other bakery products	16	16	145	-------	221	31,140	228,846	620,561	24,255	1,241,032	596,216
Butter	4	1	6	212	133	(c)	7,894	217,777	2,636	280,778	60,365
Concrete products	9	8	41	-------	171	19,137	59,813	90,066	4,494	231,803	137,243
Electrical machinery, apparatus, and supplies	3	27	54	-------	116	82,600	71,444	164,878	4,646	480,737	311,213
Flour and other grain-mill products	6	3	10	325	177	1,440	13,954	201,796	3,758	256,165	50,611
Foundry and machine-shop products, not elsewhere classified	18	131	812	472	2,258	404,057	1,271,069	1,745,720	113,590	4,496,178	2,636,868
Ice cream	4	2	30	-------	237	(c)	48,688	209,018	8,651	417,730	200,161
Models and patterns, not including paper patterns	5	4	29	-------	61	6,419	71,991	22,010	1,700	143,353	119,643
Motor-vehicle bodies and motor-vehicle parts	4	132	1,296	-------	3,556	312,135	2,056,376	4,681,126	122,065	9,679,909	4,876,718
Nonferrous-metal alloys and products, not including aluminum products	3	11	47	-------	112	39,436	70,440	167,896	8,485	327,164	150,783
Paper	11	465	4,726	62,920	1,719	1,642,751	6,510,982	19,409,866	1,731,998	35,853,081	14,711,217
Paper goods, not elsewhere classified	5	35	173	320	273	92,736	200,928	875,859	29,114	1,445,131	540,158
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	4	14	36	200	102	26,630	45,648	140,000	7,794	302,332	154,538
Printing and publishing, book and job	18	33	169	-------	272	110,397	232,791	312,829	11,925	1,028,228	703,474
Stoves and ranges (other than electric) and warm-air furnaces	3	128	723	80	1,293	409,465	1,325,640	1,930,691	72,820	7,212,793	5,209,282
Other industries	84	874	3,836	690	7,129	2,215,532	4,734,351	19,962,604	619,080	47,624,529	26,942,845

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR THE DETROIT INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
KENT COUNTY											
All industries, total	561	4,084	30,979	46,495	46,981	*Dollars* 12,791,350	*Dollars* 44,756,155	*Dollars* 77,834,967	*Dollars* 3,584,609	*Dollars* 178,126,058	*Dollars* 96,706,482
Beverages	6	7	18	8	87	9,132	26,796	63,408	3,059	177,636	111,169
Bookbinding and blank-book making	4	9	32	-------	72	19,873	47,052	39,980	2,003	160,267	118,284
Bread and other bakery products	69	115	868	90	1,351	282,483	1,010,293	3,210,565	124,027	6,411,914	3,077,322
Butter	5	19	28	295	357	37,209	33,644	1,062,522	8,249	1,227,737	156,966
Caskets, coffins, burial cases, and other morticians' goods	4	12	56	-------	71	31,087	71,030	246,362	3,460	477,889	228,067
Cigars and cigarettes	5	14	140	-------	6	32,986	109,294	178,844	1,451	411,249	230,954
Concrete products	14	7	64	80	265	12,751	93,041	125,260	6,700	389,487	257,527
Confectionery	7	38	189	235	26	120,057	164,722	506,116	12,335	1,045,542	527,091
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	10	22	97	-------	245	51,104	142,839	288,273	8,315	682,269	385,681
Flour and other grain-mill products	5	29	52	665	215	62,206	77,376	1,257,194	12,191	1,664,826	395,441
Food preparations, not elsewhere classified	7	10	19	-------	52	14,934	18,286	230,349	3,614	319,095	85,132
Foundry and machine-shop products, not elsewhere classified	31	166	1,136	840	3,147	526,699	1,684,183	1,446,012	202,186	5,444,826	3,796,628
Furniture, including store and office fixtures	76	1,339	12,311	20,369	6,292	4,722,442	17,743,368	21,599,359	623,530	59,600,126	37,377,237
Ice cream	8	11	72	-------	535	27,828	108,752	473,950	18,483	961,180	468,747
Ice, manufactured	3	22	130	-------	1,900	61,945	178,490	5,280	53,469	366,834	308,085
Labels and tags	3	17	91	-------	101	40,666	106,138	136,307	3,967	530,728	390,454
Leather: Tanned, curried, and finished	4	39	287	2,134	26	114,929	362,763	1,568,892	69,775	2,195,919	567,252
Machine-tool accessories and small metal-working tools, not elsewhere classified	3	7	69	-------	128	23,291	125,168	37,632	6,968	269,839	225,239
Nonferrous-metal alloys and products, not including aluminum products	4	6	52	-------	64	16,730	85,027	160,620	11,907	304,668	132,141
Photo-engraving, not done in printing establishments	6	22	48	-------	36	83,506	98,817	26,768	5,235	314,465	282,462
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	9	98	368	850	1,449	365,059	477,767	1,974,922	58,111	3,069,312	1,036,279
Printing and publishing, book and job	50	189	594	105	1,232	611,637	916,137	799,878	39,532	3,356,904	2,517,494
Printing and publishing, newspaper and periodical	25	268	292	4	917	637,018	596,414	797,100	27,752	4,368,614	3,543,762
Pumps (hand and power) and pumping equipment	4	26	196	275	254	111,382	286,120	685,414	26,200	1,684,404	972,790
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	10	12	44	-------	289	22,302	67,490	564,877	10,747	780,513	204,889
Signs and advertising novelties	3	11	14	-------	16	15,010	15,810	22,413	2,014	68,815	44,388
Wood turned and shaped and other wooden goods, not elsewhere classified	17	57	406	497	730	155,712	567,580	383,113	34,785	1,655,495	1,237,597
Other industries	169	1,512	13,306	20,048	27,118	4,681,372	19,542,758	39,943,557	2,214,544	80,185,505	38,027,404

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

MUSKEGON COUNTY

All industries, total	129	1,891	15,716	27,554	26,480	*Dollars* 4,591,842	*Dollars* 21,544,064	*Dollars* 37,551,129	*Dollars* 2,091,235	*Dollars* 89,140,648	*Dollars* 49,498,284
Beverages	3	6	11	-------	42	6,152	17,536	36,803	1,852	94,244	55,689
Bread and other bakery products	14	17	140	-------	318	26,902	183,680	457,947	23,006	967,229	486,276
Concrete products	7	6	20	2	58	8,697	23,068	36,231	1,289	102,440	64,920
Confectionery	4	8	52	-------	54	13,322	34,565	106,527	1,897	214,632	106,208
Electrical machinery, apparatus, and supplies	3	165	1,141	-------	987	211,529	1,260,424	2,952,349	53,400	6,132,418	2,126,669
Foundry and machine-shop products, not elsewhere classified	22	601	6,406	3,950	14,107	1,740,516	8,159,262	7,690,461	920,240	25,262,086	16,651,385
Furniture, including store and office fixtures	7	205	919	1,581	215	459,973	1,153,450	2,217,270	92,733	5,286,518	2,976,515
Ice cream	5	7	22	-------	192	11,102	32,507	164,468	6,160	340,429	169,801
Machine-tool accessories and small metal-working tools, not elsewhere classified	3	14	121	-------	251	48,203	232,132	54,742	8,534	503,970	440,694
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	3	-------	12	-------	195	-------	18,861	31,295	2,315	68,276	34,666
Signs and advertising novelties	3	4	23	-------	35	7,766	38,486	14,572	1,975	101,082	84,535
Other industries	55	858	7,849	22,021	10,026	2,057,680	10,390,093	23,788,464	977,834	51,067,224	26,300,926

OAKLAND COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	140	3,319	22,828	9,135	91,323	*Dollars* 10,420,250	*Dollars* 37,500,555	*Dollars* 170,543,154	*Dollars* 2,902,058	*Dollars* 254,837,836	*Dollars* 81,392,624

TABLE 13.—GENERAL STATISTICS FOR THE DETROIT INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
SAGINAW COUNTY											
All industries, total	171	1,800	15,217	13,507	38,215	*Dollars* 4,451,959	*Dollars* 21,962,627	*Dollars* 29,863,959	*Dollars* 2,852,907	*Dollars* 74,557,791	*Dollars* 41,840,925
Beverages	3	4	13	-------	34	6,292	16,382	25,964	1,664	73,383	45,755
Bread and other bakery products	17	157	567	-------	761	345,927	478,307	1,355,966	54,685	3,117,184	1,706,633
Butter	5	3	14	8	223	8,460	22,907	437,130	6,947	525,259	81,182
Cigars and cigarettes	4	2	18	-------	2	(c)	15,965	24,349	282	60,263	35,632
Concrete products	7	6	39	40	191	10,380	58,307	71,413	5,345	230,264	153,506
Flavoring extracts and flavoring sirups	3	4	30	61	28	12,480	41,190	117,606	8,193	317,153	191,354
Flour and other grain-mill products	6	16	36	855	667	23,801	39,021	537,175	19,803	727,288	170,310
Foundry and machine-shop products, not elsewhere classified	16	638	8,113	3,715	20,173	1,804,114	13,182,052	11,984,421	1,619,003	33,916,811	20,313,387
Ice cream	5	20	39	-------	340	50,015	56,420	251,332	15,542	594,626	327,752
Lumber and timber products, not elsewhere classified	3	-------	16	180	105	----------	13,436	14,780	518	36,451	21,153
Planing-mill products (including general millwork), not made in planing mills connected with saw mills	9	53	482	2,300	643	137,655	469,693	1,434,697	42,465	2,342,699	865,637
Printing and publishing, book and job	13	28	86	-------	157	54,103	141,661	162,986	9,855	497,474	324,633
Other industries	81	869	5,764	6,348	14,901	1,998,732	7,427,286	13,446,240	1,068,605	32,119,036	17,604,191
WAYNE COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—namely, "Motor vehicles, not including motor cycles" and "Motor-vehicle bodies and motor-vehicle parts"—without rendering it possible to calculate (by subtracting the figures for these industries in Wayne County from the corresponding ones for the industrial area) the figures for the same industries in Oakland County, the publication of which would disclose approximations of the data for an important company. Moreover, those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	2,666	35,329	270,424	458,396	679,494	*Dollars* 110,581,547	*Dollars* 474,138,128	*Dollars* 1,381,075,610	*Dollars* 60,395,638	*Dollars* 2,589,772,362	*Dollars* 1,148,301,114

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 14.—GENERAL STATISTICS FOR DETROIT AND GRAND RAPIDS, BY INDUSTRIES: 1929

[This table presents, for Detroit and Grand Rapids, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the reamining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the industries shown separately. The city of Flint is also industrially important, but it is impossible to publish even the combined totals for all industries in this city without disclosing approximations of the data for individual establishments]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
DETROIT											
[The totals for all industries do not include data for establishments located outside the city (see footnotes 1, 2, and 3), and therefore are slightly smaller than the sums of the items for individual industries]											
All industries, total	2,418	31,333	221,588	183,351	531,005	$99,041,202	$386,692,131	$1,036,717,045	$34,755,148	$2,014,165,786	$942,693,593
Awnings, tents, sails, and canvas covers [1]	13	88	298	-------	99	189,750	399,792	1,058,250	6,959	2,092,960	1,027,751
Beverages	41	129	504	714	1,283	375,022	926,452	1,681,905	99,115	4,618,558	2,837,538
Bookbinding and blank-book making	14	69	373	-------	278	310,713	504,563	343,052	10,462	1,583,160	1,229,646
Boxes, wooden, except cigar boxes	9	47	382	500	1,510	152,205	473,304	880,283	24,151	1,978,585	1,074,151
Bread and other bakery products	250	558	5,151	1,912	6,727	1,321,031	8,136,956	21,256,001	839,552	45,053,414	22,957,861
Brushes, other than ruhber	7	21	105	-------	102	52,203	129,529	414,085	4,880	789,010	370,045
Butter [1]	7	38	90	70	1,554	86,496	137,826	3,005,746	29,047	3,706,015	671,222
Cigars and cigarettes	17	100	3,323	-------	539	430,353	2,616,244	6,437,222	52,420	13,252,510	6,762,868
Clothing (except work clothing), men's, youths' and boys', not elsewhere classified	16	40	272	-------	80	120,106	320,415	471,639	6,640	1,257,819	779,540
Clothing, women's, not elsewhere classified	10	30	146	-------	50	61,831	133,961	337,755	2,870	728,566	387,941
Coffee and spice, roasting and grinding	12	42	117	-------	586	124,735	164,426	3,870,200	31,876	5,216,375	1,314,299
Compressed and liquefied gases	6	113	92	150	1,727	193,399	168,410	413,453	88,347	1,638,209	1,136,409
Concrete products	48	83	447	-------	1,756	241,747	715,588	1,140,179	52,664	3,492,789	2,299,946
Confectionery [1]	26	65	625	-------	510	122,936	561,977	2,567,029	48,799	4,402,673	1,786,345
Electrical machinery, apparatus, and supplies [1]	27	596	2,043	200	4,540	1,869,707	3,109,536	7,637,263	154,479	18,235,742	10,444,000
Electroplating	26	71	655	-------	2,063	262,865	1,135,284	405,879	119,474	2,418,656	1,893,303
Engraving, steel and copperplate, and plate printing	5	14	49	-------	56	41,662	82,587	57,176	1,975	265,608	206,457
Fancy and miscellaneous articles, not elsewhere classified	5	10	54	-------	23	15,632	55,030	83,977	2,788	214,225	127,460
Flavoring extracts and flavoring sirups	12	53	151	792	1,036	217,008	325,558	1,008,844	78,760	2,260,948	1,173,344
Forgings, iron and steel, not made in plants operated in connection with rolling mills	11	59	535	-------	2,543	237,648	944,412	1,515,694	187,490	3,849,147	2,145,963
Foundry and machine-shop products, not elsewhere classified	175	1,599	9,095	335	30,989	5,736,176	16,096,792	20,771,717	1,482,724	60,327,769	38,073,328
Foundry supplies	4	34	112	-------	374	162,615	215,152	539,602	17,050	1,349,148	792,496
Fur goods	33	47	332	-------	126	171,421	584,213	1,579,706	19,718	3,481,444	1,882,020
Furniture, including store and office fixtures [2]	47	235	1,290	495	2,610	844,711	2,062,397	3,514,425	92,700	8,516,392	4,909,267
Hand stamps and stencils and hrands	11	28	46	-------	101	78,288	88,299	177,484	3,144	456,117	275,489
Ice cream [1]	17	50	237	305	3,526	153,245	397,223	2,500,039	92,028	4,632,914	2,040,847
Ice, manufactured	27	45	144	425	11,354	106,140	361,373	46,958	377,179	2,323,805	1,899,668
Iron and steel, processed	11	30	89	-------	223	152,536	184,687	82,114	74,100	753,907	597,693
Jewelry	16	71	177	-------	91	240,708	349,716	912,295	8,162	2,100,454	1,179,997
Knit goods [1]	7	21	135	1,057	69	70,470	169,028	278,134	13,621	527,131	235,376
Machine-tool accessories and small metal-working tools, not elsewhere classified	103	958	7,880	-------	18,145	4,026,549	19,126,348	9,072,618	620,326	51,954,669	42,261,725
Machine tools	8	71	607	225	1,446	253,513	1,102,446	984,687	64,505	2,654,401	1,605,209
Marhle, granite, slate, and other stone products [3]	30	139	512	-------	3,982	584,328	1,103,898	1,546,780	87,400	4,194,396	2,560,216
Mattresses and bed springs, not elsewhere classified	10	33	257	-------	524	118,751	398,051	1,018,088	22,640	2,202,559	1,161,831
Meat packing, wholesale [3]	22	559	2,004	2,430	3,734	1,449,761	3,006,884	50,106,140	294,720	58,384,293	7,989,433
Mirror and picture frames	6	8	33	-------	74	13,165	60,516	39,868	2,493	179,877	137,516
Mirrors, framed and unframed	3	7	26	-------	36	12,116	43,650	52,787	2,301	152,317	97,229
Motor-vehicle hodies and motor-vehicle parts	60	5,195	61,899	24,478	162,251	17,358,817	115,572,686	233,234,157	6,080,725	420,469,291	181,154,409
Motor vehicles, not including motorcycles	20	5,016	50,082	30,808	90,552	16,719,035	88,012,895	398,601,896	4,639,464	647,571,832	244,330,472
Patent or proprietary medicines and compounds	32	306	688	1,375	853	1,030,753	915,867	2,663,154	61,793	9,129,453	6,404,506
Photo-engraving, not done in printing establishments	15	156	613	-------	533	692,118	1,375,906	514,546	53,350	3,801,544	3,233,648
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	37	229	1,039	3,100	4,768	812,541	1,494,746	4,284,990	106,741	8,094,164	3,702,433
Poultry killing, dressing, and packing, wholesale	9	17	116	-------	100	63,081	122,793	2,395,689	9,101	2,859,916	455,126
Printing and publishing, book and job	232	996	3,602	-------	3,926	3,021,993	6,998,371	8,264,903	217,025	27,280,084	18,798,156
Printing and publishing, newspaper and periodical	76	2,369	1,627	-------	9,568	6,024,929	4,209,726	9,628,737	175,480	37,026,290	27,222,073
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	17	66	393	35	1,714	212,770	658,907	5,975,985	72,111	7,891,445	1,843,349
Ship and hoat building, steel and wooden, including repair work	7	15	103	789	2,040	24,435	166,857	218,363	6,276	429,217	204,578
Shirts	4	6	44	-------	10	16,480	56,688	77,247	990	225,922	147,685
Signs and advertising novelties [4]	37	106	413	-------	385	293,279	722,061	853,548	31,599	3,067,470	2,182,323
Statuary and art goods, factory product	6	4	50	-------	6	6,715	127,880	29,321	1,695	227,584	196,568
Stereotyping and electrotyping, not done in printing establishments	7	93	262	-------	954	268,782	644,315	391,303	47,223	2,050,115	1,611,589
Surgical and orthopedic appliances, including artificial limbs	6	18	58	-------	25	57,062	69,635	155,901	3,353	380,592	221,338
Window and door screens and weather strip [1]	11	28	103	-------	292	67,212	144,162	267,466	6,338	633,463	359,659
Window shades and fixtures [1]	16	26	52	-------	27	60,335	53,878	205,987	3,187	471,595	262,421
Wood preserving	6	17	29	-------	50	76,874	44,839	863,694	3,306	1,198,612	331,612
Wood turned and shaped and other wooden goods, not elsewhere classified	6	18	65	-------	297	63,752	107,820	93,595	8,154	336,917	235,168
Other industries	741	10,527	62,148	113,988	149,035	31,681,082	99,069,423	221,578,979	18,140,840	521,785,412	282,065,593

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Detroit have been included with those for the city, as specified in footnotes 1, 2, and 3, to avoid disclosing data reported by individual establishments:
[1] Includes data for 1 establishment located outside Detroit.
[2] Includes data for 3 establishments located outside Detroit.
[3] Includes data for 2 establishments located outside Detroit.

TABLE 14.—GENERAL STATISTICS FOR DETROIT AND GRAND RAPIDS, BY INDUSTRIES: 1929—Continued

[See note at bead of tbis table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
GRAND RAPIDS											
All industries, total	516	3,776	28,084	39,280	37,023	$11,867,715	$40,476,018	$65,714,740	$2,919,513	$156,553,816	$87,919,563
Beverages	6	7	18	8	87	9,132	25,796	63,408	3,059	177,636	111,169
Bookbinding and blank-book making	4	9	32	-------	72	19,873	47,652	39,980	2,603	160,267	118,284
Bread and other bakery products	64	115	858	90	1,324	282,483	999,458	3,158,430	122,426	6,329,218	3,048,362
Caskets, coffins, burial cases, and other mortician' goods	4	12	56	-------	71	31,087	71,030	246,362	3,460	477,889	228,067
Cigars and cigarettes	5	14	140	-------	6	32,986	109,294	178,844	1,451	411,249	230,954
Confectionery	7	38	189	235	26	120,057	164,722	506,116	12,335	1,045,542	527,091
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewbere classified	10	22	97	-------	245	51,104	142,839	288,273	8,315	682,269	385,681
Furniture, including store and office fixtures	72	1,325	12,036	20,069	5,932	4,670,856	17,349,966	21,033,737	604,071	57,851,118	36,213,310
Ice, manufactured	3	22	130	-------	1,900	61,945	178,490	5,280	53,469	366,834	308,085
Labels and tags	3	17	91	-------	101	40,666	106,138	136,307	3,967	530,728	390,454
Macbine-tool accessories and small metal-working tools, not elsehere classified	3	7	69	-------	128	23,291	125,168	37,632	6,968	269,839	225,239
Nonferrous-metal alloys and products, not including aluminum products	4	6	52	-------	64	16,730	85,027	160,620	11,907	304,668	132,141
Photo-engraving, not done in printing establishments	6	22	48	-------	36	83,506	98,817	26,768	5,235	314,465	282,462
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	9	98	368	850	1,449	365,059	477,767	1,974,922	58,111	3,069,312	1,036,279
Printing and publisbing, book and job	50	189	594	105	1,232	511,637	916,137	799,878	39,532	3,356,904	2,517,494
Printing and publisbing, newspaper and periodical	20	264	275	-------	890	633,783	572,809	785,536	26,786	4,293,324	3,481,002
Sausage, meat puddings, beadcbeese, etc., and sausage casings, not made in meat-packing establishments	10	12	44	-------	289	22,302	67,490	564,877	10,747	780,513	204,889
Signs and advertising novelties	3	11	14	-------	16	15,010	15,810	22,413	2,014	68,815	44,388
Wood turned and shaped and other wooden goods, not elsewhere classified	17	57	406	497	730	155,712	567,580	383,113	34,785	1,655,495	1,237,697
Otber industries	216	1,529	12,567	17,426	22,425	4,720,496	18,354,628	35,302,244	1,908,872	74,407,731	37,196,615

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purcbased electric energy. Tbis item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

MINNESOTA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $600 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	4,315	103,414	606,704	323,804	282,900	$132,418,195	$768,218,329	$741,454,482	$26,763,847	$1,173,213,606	$404,995,277
1927	3,886	98,833	684,328	325,520	258,808	123,619,331	726,390,744	700,530,491	25,860,253	1,066,727,215	340,336,471
1925	3,888	100,614	508,021	299,974	208,047	123,767,442	770,723,999	(4)	(4)	1,101,855,641	331,131,642
1923	3,900	103,964	460,128	289,477	170,651	125,531,609	647,322,673	(4)	(4)	962,774,954	315,452,281
1921	4,089	85,804	(5)	(5)	(5)	107,249,747	585,473,378	(4)	(4)	850,446,833	264,973,455
1919	6,225	115,623	473,660	305,695	167,965	127,106,505	883,089,777	860,607,299	22,482,478	1,218,129,735	335,039,958
1914	5,974	92,834	358,163	286,939	71,224	58,507,013	336,849,214	328,841,250	8,007,964	493,354,136	156,504,922
1909	5,561	84,767	296,843	266,546	30,297	47,470,803	281,622,287	275,431,699	6,190,588	409,419,621	127,797,334
1904	4,756	69,636	219,664	211,070	8,594	35,843,145	210,553,949	207,000,087	3,553,862	307,858,073	97,304,124
1899	4,096	64,557	179,151	175,382	3,769	29,029,190	150,299,277	(6)	(6)	223,692,922	73,393,645
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	11.0	4.6	3.8	−0.5	9.3	7.1	5.8	5.8	3.6	10.0	19.0
1925–1927	−0.1	−1.8	15.0	8.5	24.4	−0.1	−5.8			−3.2	2.8
1923–1925	−0.3	−3.2	10.4	3.6	21.9	−1.4	19.1			14.4	5.0
1921–1923	−4.6	21.2				17.0	10.6			13.2	19.1
1919–1921	−34.3	−25.8				−15.6	−33.7			−30.2	−20.9
1919–1929	−30.7	−10.6	28.1	5.9	68.4	4.2	−13.0	−13.8	19.0	−3.7	20.9
1909–1919	11.9	36.4	59.6	14.7	454.4	167.8	213.6	212.5	263.2	197.5	162.2
1899–1909	35.8	31.3	65.7	52.0	703.8	63.5	87.4			83.0	74.1

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR THE MINNEAPOLIS-ST. PAUL INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	2,563,953	4,315	103,414	606,704	$132,418,195	$768,218,329	$741,454,482	$26,763,847	$1,173,213,606	$404,995,277
Minneapolis-St. Paul Industrial Area [3]	839,098	1,958	65,148	308,347	84,462,389	434,993,690	422,607,459	12,386,231	709,829,325	274,835,635
Counties [4]										
Aitkin	15,009	18	106	621	113,854	691,616	684,981	6,635	960,072	268,456
Anoka	18,415	23	877	4,097	1,076,907	7,124,329	6,994,346	129,983	10,161,530	3,037,201
Becker	22,503	29	102	1,002	110,219	1,314,870	1,292,885	21,985	1,703,019	388,149
Beltrami	20,707	30	536	3,376	489,825	1,574,103	1,530,201	43,902	2,647,533	1,073,430
Benton	15,056	25	489	10,741	610,009	3,266,243	3,077,740	188,503	4,577,103	1,310,860
Big Stone	9,838	13	77	582	101,632	577,343	561,544	15,799	833,251	255,908
Blue Earth	33,347	61	611	4,189	706,919	8,354,265	8,137,607	216,658	11,294,941	2,940,676
Brown	23,428	48	478	4,775	575,630	9,124,563	8,915,746	208,817	11,880,646	2,756,083
Carlton	21,232	28	1,615	9,726	1,817,210	6,517,440	6,286,122	231,318	11,047,977	4,530,537
Carver	16,936	36	299	3,481	299,329	2,395,917	2,239,231	156,686	3,410,422	1,014,505
Cass	15,591	20	55	416	53,195	434,072	428,533	5,539	580,139	146,067
Chippewa	15,762	18	118	500	122,987	1,059,808	1,039,520	20,288	1,316,076	256,268
Chisago	13,189	30	121	1,137	133,665	2,898,147	2,846,086	52,061	3,555,630	657,483
Clay	23,120	21	266	979	426,458	2,582,725	2,535,605	47,120	3,648,583	1,065,858
Clearwater	9,546	12	40	252	35,808	611,438	605,385	6,053	720,223	108,785
Cottonwood	14,782	9	20	110	22,695	477,496	470,464	7,032	592,382	114,886
Crow Wing	25,627	25	1,431	23,591	1,928,581	6,522,409	6,202,758	319,651	9,611,494	3,089,085
Dakota [3]	34,592	32	4,320	20,475	5,544,749	108,982,509	108,079,658	902,851	126,063,131	17,080,622
Dodge	12,127	35	74	641	92,366	1,474,603	1,451,486	23,117	1,748,495	273,892
Douglas	18,813	26	92	567	119,029	3,509,526	3,476,142	33,384	3,939,260	429,734
Faribault	21,642	33	271	2,151	268,567	4,120,400	4,064,724	55,676	6,321,706	1,201,306
Fillmore	24,748	33	96	757	108,494	2,286,636	2,261,121	25,515	2,640,254	353,618
Freeborn	28,741	51	1,064	4,508	1,255,597	16,924,034	16,707,850	216,184	20,336,404	3,412,370
Goodhue	31,317	75	1,440	8,452	1,596,697	15,263,499	14,861,760	401,739	20,907,815	5,644,316
Grant	9,558	11	25	229	30,526	752,814	743,986	8,828	869,410	116,596

See footnotes at end of table.

TABLE 2.—SUMMARY FOR THE MINNEAPOLIS-ST. PAUL INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [4]—Continued										
Hennepin [3]	517,785	1,258	36,731	181,028	$47,119,501	$217,891,270	$212,162,633	$5,728,637	$371,579,221	$153,687,951
Houston	13,845	18	38	262	48,282	1,171,300	1,159,135	12,165	1,305,601	134,301
Huhhard	9,596	11	62	422	60,770	394,880	389,810	5,070	526,747	131,867
Isanti	12,081	19	48	348	62,975	932,253	916,744	15,509	1,133,892	201,639
Itasca	27,224	31	347	13,737	416,489	1,953,748	1,754,331	229,417	3,130,874	1,147,126
Jackson	15,863	20	57	790	65,279	849,382	830,430	18,952	1,058,355	208,973
Kanahec	8,558	9	22	166	27,618	847,785	839,166	8,619	939,201	91,416
Kandiyohi	23,574	31	267	848	389,384	1,681,799	1,635,310	46,489	2,289,588	607,789
Kittson	9,688	8	11	64	14,056	320,134	316,988	3,146	362,198	42,064
Lac qui Parle	15,398	13	71	384	80,111	878,267	864,906	13,361	1,184,769	306,502
Lake of the Woods	4,194	4	25	54	27,027	93,441	92,623	818	155,479	62,038
Le Sueur	17,990	26	706	5,511	965,247	11,659,884	11,500,351	159,533	14,468,173	2,808,289
Lincoln	11,303	10	20	79	22,068	695,513	690,706	4,807	791,428	95,915
Lyon	19,326	28	169	623	216,159	2,194,823	2,161,428	33,395	2,737,466	542,643
McLeod	20,522	33	167	1,289	176,413	2,698,772	2,655,475	43,297	3,294,227	595,455
Mahnomen	6,153	6	18	137	18,099	271,791	269,299	2,492	314,366	42,575
Marsball	17,003	17	29	255	41,147	840,925	831,227	9,698	958,995	118,070
Martin	22,401	26	500	2,156	520,887	3,049,385	2,969,521	79,864	5,334,534	2,285,149
Meeker	17,914	33	129	782	122,873	2,417,396	2,390,917	26,479	2,893,331	475,935
Mille Lacs	14,076	16	47	303	61,074	1,644,377	1,632,016	12,361	1,812,626	168,249
Morrison	25,442	37	258	6,022	332,621	3,770,465	3,645,124	125,341	5,000,499	1,230,034
Murray	13,902	8	30	277	52,129	726,749	718,121	8,628	859,396	132,647
Nicollet	16,550	21	77	460	75,134	1,208,866	1,189,669	19,197	1,489,755	280,889
Norman	14,061	18	34	388	40,577	812,758	803,517	9,241	960,520	147,762
Olmsted	35,426	44	475	2,607	524,657	3,219,505	3,060,162	159,343	4,876,702	1,657,197
Otter Tail	51,006	59	355	2,084	399,297	5,414,627	5,337,175	77,452	6,721,360	1,306,733
Pennington	10,487	13	127	187	158,200	843,940	822,436	21,504	1,152,800	308,860
Pine	20,264	27	75	727	89,870	1,703,907	1,684,798	19,109	2,011,388	307,481
Pipestone	12,238	15	91	414	109,391	1,477,110	1,451,400	25,710	1,863,916	386,806
Polk	36,019	40	207	3,796	278,368	4,414,688	4,294,762	119,926	5,706,140	1,291,452
Pope	13,085	18	109	420	148,021	945,225	920,906	24,319	1,233,814	288,589
Ramsey [3]	286,721	668	24,097	106,844	31,798,139	108,119,911	102,365,168	5,754,743	212,186,973	104,067,062
Red Lake	6,887	10	31	581	37,448	510,065	504,850	5,215	670,034	159,969
Redwood	20,620	17	74	439	85,031	1,162,438	1,136,349	26,089	1,372,212	209,774
Renville	23,645	28	102	1,135	114,208	1,987,921	1,954,962	32,959	2,509,235	521,314
Rice	29,974	52	943	4,411	1,031,530	8,165,982	7,971,659	194,323	11,419,999	3,254,017
Rock	10,962	6	30	113	53,869	570,804	561,627	9,177	689,074	118,270
Roseau	12,621	11	34	293	30,814	718,737	711,811	6,926	831,170	112,433
St. Louis [3]	204,596	255	9,054	81,324	12,158,998	38,668,024	31,114,600	7,553,424	67,997,160	29,329,136
Scott	14,116	14	165	954	211,755	1,089,116	1,041,822	47,294	1,681,468	592,352
Sherburne	9,709	8	35	317	42,831	518,165	504,949	13,216	741,075	222,910
Sibley	15,865	21	128	702	135,702	2,587,541	2,567,684	19,857	3,061,571	474,030
Stearns	62,121	116	2,587	13,313	3,467,528	11,697,059	11,270,217	426,842	19,113,821	7,416,762
Steele	18,475	46	283	1,878	318,309	2,568,165	2,504,267	63,898	3,782,009	1,213,844
Stevens	10,185	12	30	247	38,400	414,708	407,944	6,764	523,730	109,022
Swift	14,735	18	79	933	94,425	2,024,713	1,993,980	30,733	2,441,859	417,146
Todd	26,170	23	284	1,089	469,765	2,770,449	2,723,899	46,550	3,784,481	1,014,032
Traverse	7,938	7	20	62	21,046	264,709	260,641	4,068	335,617	70,908
Wabasha	17,613	24	290	1,560	360,668	6,182,637	6,084,496	98,141	7,654,352	1,471,715
Wadena	10,990	20	69	409	80,784	1,611,949	1,595,873	16,076	1,857,755	245,806
Waseca	14,412	26	262	1,575	291,300	4,197,902	4,138,489	59,413	5,033,259	835,357
Washington	24,753	36	1,790	7,588	2,228,353	22,593,887	22,270,959	322,928	27,771,000	5,177,113
Watonwan	12,802	21	101	822	151,453	1,417,481	1,382,832	34,649	1,736,519	319,038
Wilkin	9,791	6	145	228	236,526	438,993	408,173	30,820	720,394	281,401
Winona	35,144	82	2,048	10,425	2,321,328	16,779,137	16,380,204	398,933	23,720,361	6,941,224
Wright	27,119	47	216	1,511	241,036	3,098,820	3,058,405	40,415	3,876,511	777,691
Yellow Medicine	16,625	13	32	233	36,195	643,085	636,148	6,937	787,596	144,511
All other counties (Cook, Koochiching, Lake, Mower, and Nobles)	70,264	69	4,640	33,743	6,056,682	41,520,161	40,415,907	1,104,254	68,399,514	16,879,353
Cities having 10,000 inhabitants or more [5]										
Duluth	101,463	193	6,633	70,804	9,135,760	34,395,606	26,996,738	7,398,868	58,903,568	24,507,962
Faribault	12,767	32	778	3,094	834,689	3,458,368	3,324,032	134,336	5,649,338	2,190,970
Hibbing	15,666	10	94	513	115,643	239,113	196,027	43,086	640,237	401,124
Mankato	14,038	39	563	3,852	643,318	6,921,933	6,720,155	201,778	9,642,227	2,720,294
Minneapolis [3] [7]	464,356	1,219	35,704	177,115	45,749,054	213,047,658	207,507,286	5,540,372	361,072,199	148,024,541
Rochester	20,621	29	307	1,425	374,272	1,787,109	1,646,484	140,625	3,073,148	1,286,039
St. Cloud	21,000	59	1,984	9,977	2,676,720	4,904,874	4,597,244	307,630	9,959,660	5,054,786
St. Paul [7]	271,606	637	23,489	104,942	31,050,277	104,411,290	98,734,140	5,677,150	206,229,380	101,818,090
Winona	20,850	57	1,970	9,475	2,234,239	15,050,228	14,674,688	375,540	21,762,851	6,712,623

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] The Minneapolis-St. Paul Industrial Area comprises Dakota, Hennepin, and Ramsey Counties. For statistics by industries for the area and for Hennepin and Ramsey Counties, see Table 13.

[4] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.

[5] For statistics by industries for this county, see Table 13.

[6] Not including Albert Lea, Austin, Brainerd, South St. Paul, and Virginia, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments located either in the cities or outside the cities but within the counties in which the cities are situated.

[7] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	126,409	103,592	22,817	2,178	2,076	102	[2] 3,144	[2] 3,006	[2] 138	[2] 17,673	[2] 11,860	[2] 5,813	103,414	[3] 86,650	[3] 16,764
1919 [1, 4]	147,678	121,609	26,069	5,128	4,943	185	2,416	2,312	104	24,511	17,650	6,861	115,623	96,704	18,919
1914 [4]	115,690	100,158	15,532	5,233	5,071	162	1,731	1,681	50	15,892	12,711	3,181	92,834	80,695	12,139
1909	104,406	90,058	14,348	5,376	5,206	170	1,596	1,560	36	12,667	10,033	2,634	84,767	73,259	11,508

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 298; male, 294; female, 4. Other salaried officers and employees—total, 2,946; male, 2,149; female, 791. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1914 and 1919, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	103,414	*99,884*	101,291	102,020	101,698	102,695	104,063	105,254	107,533	106,048	104,659	103,926	99,901	92.4
1919 [1]	115,623	114,763	113,885	113,326	110,691	*109,489*	112,458	114,430	116,607	118,627	120,020	120,930	122,250	89.6
1914 [1]	92,834	98,336	100,110	96,982	92,417	92,257	92,310	92,007	91,128	89,739	90,525	89,202	*88,995*	88.9
1909 [1]	84,767	*79,918*	80,909	82,081	81,134	82,952	85,038	84,667	85,847	87,643	90,620	89,503	86,896	88.2

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	4,315	103,414	45 and over but under 48	196	6,398
			48	949	31,541
Not reported	442	1,144	Over 48 but under 54	515	19,185
Under 40	58	143	54	419	6,762
40	49	2,417	Over 54 but under 60	203	9,776
Over 40 but under 44	39	246	60 and over	795	8,772
44 and over but under 45	650	17,030			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	4,315	6,225	5,561	103,414	115,623	84,767	51 to 100	175	167	145	12,403	11,748	10,473
							101 to 250	134	127	99	20,702	19,300	15,182
No wage earners	154	771	603				251 to 500	41	48	32	13,488	15,895	11,408
1 to 5	2,435	3,707	3,458	6,251	7,318	6,967	501 to 1,000	16	18	21	10,548	12,633	13,883
6 to 20	954	992	894	10,300	11,129	9,681	1,001 to 2,500	12	12	6	17,042	25,366	7,550
21 to 50	394	383	303	12,680	12,234	9,623	2,501 and over						

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	4,315	6,225	5,561	103,414	115,623	84,767	$1,173,213,606	$1,218,129,735	$409,419,621	$404,995,277	$335,039,958	$127,797,334
Less than $5,000	(2)	1,541	1,969	(2)	1,009	2,194	(2)	4,053,239	4,663,743	(2)	2,674,854	3,080,907
$5,000 to $19,999	1,359	1,753	1,743	3,292	4,507	6,767	15,292,076	21,302,797	18,742,099	9,589,178	13,440,914	9,419,792
$20,000 to $99,999	1,565	1,850	1,347	10,368	13,228	14,180	80,014,869	90,269,656	56,703,495	34,355,453	31,841,810	20,748,523
$20,000 to $49,999	844	(3)	(3)	4,382	(3)	(3)	27,585,043	(3)	(3)	14,476,107	(3)	(3)
$50,000 to $99,999	721	(3)	(3)	5,986	(3)	(3)	52,429,826	(3)	(3)	19,879,346	(3)	(3)
$100,000 to $499,999	1,047	783	437	24,736	24,092	37,726	218,987,708	157,105,175	130,802,555	80,351,751	58,274,724	51,618,590
$100,000 to $249,999	757	(3)		11,489	(3)		117,142,311	(3)		38,726,100	(3)	
$250,000 to $499,999	290	(3)		13,247	(3)		101,845,397	(3)		41,625,651	(3)	
$500,000 to $999,999	151	132		12,205	14,509		102,296,427	93,621,686		43,326,106	36,378,265	
$1,000,000 and over	193	166	65	52,813	58,278	23,900	756,622,526	851,777,182	198,507,729	237,372,789	192,429,391	42,929,522
$1,000,000 to $2,499,999	119	(3)	(3)	19,148	(3)	(3)	178,033,785	(3)	(3)	72,412,922	(3)	(3)
$2,500,000 to $4,999,999	47	(3)	(3)	15,141	(3)	(3)	161,965,218	(3)	(3)	65,537,320	(3)	(3)
$5,000,000 and over	27	(3)	(3)	18,524	(3)	(3)	416,623,523	(3)	(3)	99,422,547	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	4,315	6,225	103,414	115,623	$1,173,213,606	$1,218,129,735	$404,995,277	$335,039,958
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	2,396	1,809	94,240	99,983	1,099,486,202	1,069,259,122	376,082,766	292,840,170
Other forms of ownership or control (individual, partnership, etc.)	1,919	4,416	9,174	15,640	73,727,404	148,870,613	28,912,511	42,199,788
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	437	(1)	46,275	(1)	616,608,787	(1)	179,793,885	(1)
Independent (single-unit)	3,878	(1)	57,139	(1)	556,604,819	(1)	225,201,392	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR THE MINNEAPOLIS-ST. PAUL INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	606,704	323,804	1,168	115,150	257	110,731	163	20,813	113	77,110	37,534	282,900	10,059	161,667
1927	584,328	325,520	1,221	122,973	146	108,169	159	20,039	113	74,339	29,376	258,808	9,009	157,218
1925	508,021	290,974	1,388	133,336	128	90,220	203	20,510	119	55,908	23,985	208,047	8,636	154,518
1919 [1]	473,660	305,695	1,750	173,815	77	24,371	762	33,848	205	73,661	18,119	167,965	4,715	87,154
1914 [1]	358,163	286,939	[2] 2,190	[2] 206,144	(3)	(3)	959	7,454	313	73,341	10,001	71,224	2,777	49,794
Minneapolis-St. Paul Industrial Area (Dakota, Hennepin, and Ramsey Counties)	308,347	151,344	326	57,557	122	48,695	32	2,012	34	43,080	22,306	157,603	5,056	40,887
Counties in which aggregate horsepower exceeded 25,000: 1929														
Hennepin	181,028	81,419	158	32,740	54	21,681	28	1,918	30	25,080	13,723	99,609	2,032	17,169
Koochiching	26,422	22,679	7	[4] 3,189	25	15,490	1	(4)	2	4,000	230	3,743	592	13,410
Ramsey	106,844	59,426	151	18,192	37	23,140	4	94	4	18,000	7,651	47,418	2,574	18,401
St. Louis	81,324	49,992	48	8,989	36	24,575	8	16,128	3	300	2,903	31,332	1,559	61,763

[1] Data for the "Automobile repairing" industry are included in the statistics for 1914 and 1919, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 4 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	606,704	323,804	282,900	161,667
Aitkin	621	503	118	----------
Anoka	4,097	1,878	2,219	5
Becker	1,002	543	459	----------
Beltrami	3,376	1,260	2,116	200
Benton	10,741	9,738	1,003	4,000
Big Stone	582	300	282	----------
Blue Earth	4,189	1,602	2,587	392
Brown	4,775	3,917	858	1,757
Carlton	9,726	3,838	5,888	1,700
Carver	3,481	1,947	1,534	549
Cass	416	336	80	7
Chippewa	500	32	468	----------
Chisago	1,137	403	734	----------
Clay	979	677	302	278
Clearwater	252	209	43	----------
Cottonwood	110	10	100	9
Crow Wing	23,591	23,040	551	18,381
Dakota	20,475	10,499	9,976	5,317
Dodge	641	411	230	----------
Douglas	567	268	299	----------
Faribault	2,151	1,118	1,033	90
Fillmore	757	334	423	----------
Freeborn	4,508	902	3,606	----------
Goodhue	8,452	1,766	6,686	----------
Grant	229	57	172	----------
Hennepin	181,028	81,419	99,609	17,169
Houston	262	195	67	----------
Hubbard	422	210	212	----------
Isanti	348	138	210	----------
Itasca	13,737	9,001	4,736	6,302
Jackson	790	610	180	----------
Kanabec	166	47	119	----------
Kandiyohi	848	482	366	----------
Kittson	64	46	18	----------
Lac qui Parle	384	120	264	----------
Lake of the Woods	54	25	29	----------
Le Sueur	5,511	3,840	1,671	633
Lincoln	79	16	64	----------
Lyon	623	70	553	----------
McLeod	1,289	510	779	----------
Mahnomen	137	92	45	----------
Marshall	255	144	111	----------
Martin	2,156	166	1,990	----------
Meeker	782	465	317	125
Mille Lacs	303	119	184	----------
Morrison	6,022	2,802	3,220	56
Murray	277	140	137	----------
Nicollet	460	202	258	----------
Norman	388	288	100	----------
Olmsted	2,607	785	1,822	260
Otter Tail	2,084	731	1,353	158
Pennington	187	68	119	----------
Pine	727	254	473	253
Pipestone	414	45	369	----------
Polk	3,796	2,730	1,066	1,906
Pope	420	266	154	----------
Ramsey	106,844	59,426	47,418	18,401
Red Lake	581	512	69	----------
Redwood	439	165	274	----------
Renville	1,135	500	635	----------
Rice	4,411	2,411	2,000	944
Rock	113	20	93	----------
Roseau	293	244	49	----------
St. Louis	81,324	49,992	31,332	61,763
Scott	954	25	929	12
Sherburne	317	27	290	----------
Sibley	702	378	324	8
Stearns	13,313	2,059	11,254	153
Steele	1,878	476	1,402	----------
Stevens	247	152	95	----------
Swift	933	729	204	117
Todd	1,089	649	440	----------
Traverse	62	10	52	----------
Wabasha	1,560	274	1,286	----------
Wadena	409	166	243	----------
Waseca	1,575	213	1,362	100
Washington	7,588	1,046	6,542	604
Watonwan	822	57	765	----------
Wilkin	228	123	105	----------
Winona	10,425	2,637	7,788	720
Wright	1,511	618	893	12
Yellow Medicine	233	22	211	----------
All other counties (Cook, Koochiching, Lake, Mower, and Nobles)	33,743	29,260	4,483	19,286

[1] Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy fro all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	2,965,300	$14,743,852	2,653,235	3,259,794	2,529,596	1,448,480	1,192,879
Anthracite (tons, 2,240 pounds)	82,662	449,619	[3]	102,303	41,074	42,659	39,752
Bituminous (tons 2,000 pounds)	2,872,719	14,294,233	[3]	3,145,215	2,483,593	1,400,702	1,148,357
Coke (tons, 2,000 pounds)	464,538	2,968,696	[4]	[4]	440,452	101,018	108,384
Fuel oils, including crude oils and gas oils (gallons) [5]	31,829,859	1,689,391	[4]	[4]	12,291,762	12,758,256	8,830,374
Gasoline and kerosene (gallons) [5]	342,447	51,326	[4]	[4]	1,471,890		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	14,384,487	950,634	[4]	[4]	1,438,853	84,463	59,915
Other fuels		386,166	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	388,944,690	6,093,993	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 26,884,058	*Cost* $25,860,253	*Cost* [5]	*Cost* $22,482,478	*Cost* $8,007,964	*Cost* $6,190,588

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[4] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	4,315	[1] 20,817	103,414	323,804	282,900	[1] 47,724,098	132,418,195	741,454,482	26,763,847	1,173,213,606	404,995,277
Awnings, tents, sails, and canvas covers	15	50	125	.....	72	110,177	133,911	340,716	5,980	734,696	388,000
Beverages	93	232	634	2,264	1,591	507,738	767,805	1,534,191	184,692	4,724,457	3,005,574
Bookbinding and blank-book making	13	32	149	.....	158	61,573	181,222	189,168	6,778	603,715	407,769
Boots and shoes, other than rubber	10	130	1,047	.....	852	206,630	1,044,880	2,776,393	43,504	5,318,923	2,499,026
Boxes, paper, not elsewhere classified	17	164	781	.....	2,339	394,670	812,882	2,637,027	53,645	5,015,112	2,024,440
Boxes, wooden, except cigar boxes	21	39	582	789	1,529	131,926	608,649	1,814,245	36,478	3,202,226	1,351,503
Bread and other bakery products	438	408	3,891	1,662	5,291	892,999	4,255,308	12,066,210	552,840	26,581,658	13,962,608
Brooms	11	6	75	.....	55	10,817	96,274	148,693	2,566	331,886	180,627
Butter	823	1,232	2,655	9,645	14,147	1,280,647	3,413,397	113,737,410	1,039,117	128,704,989	13,928,462
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	42	234	1,767	1,255	4,245	577,291	1,537,974	5,948,170	140,016	11,208,556	5,120,370
Car and general construction and repairs, steam-railroad repair shops	61	889	11,765	12,153	14,168	2,213,967	18,160,019	14,351,295	1,087,374	35,839,054	20,400,385
Carriages, wagons, sleighs, and sleds	5	29	207	200	565	86,425	238,338	677,000	24,735	1,080,139	478,404
Caskets, coffins, burial cases, and other morticians' goods	8	43	156	308	295	132,761	187,177	626,097	10,249	1,322,969	686,623
Cheese	52	37	77	340	148	28,255	103,176	1,700,265	25,432	2,028,416	302,719
Cigars and cigarettes	22	26	281	.....	41	51,829	237,156	376,848	5,507	975,234	592,879
Clay products (other than pottery) and nonclay refractories	18	72	516	2,445	2,298	202,836	526,657	122,946	320,560	1,621,985	1,178,479
Cleaning and polishing preparations	8	21	20	.....	20	29,711	16,335	144,848	464	290,458	145,146
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	46	204	2,128	.....	482	525,643	2,377,092	6,408,853	61,451	11,111,774	4,641,470
Clothing, women's, not elsewhere classified	29	109	831	.....	173	238,403	630,374	2,266,301	16,636	4,085,453	1,802,516
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	15	83	867	.....	296	176,256	715,975	1,888,684	17,256	3,329,710	1,423,770
Coffee and spice, roasting and grinding	19	85	188	.....	997	230,624	208,017	6,594,726	43,822	8,360,722	1,722,174
Compressed and liquefied gases	9	82	62	122	1,504	151,832	99,396	280,719	79,862	1,296,800	936,219
Concrete products	88	101	428	390	2,255	192,119	496,864	1,184,324	58,412	2,487,733	1,244,997
Condensed and evaporated milk	11	42	119	363	1,165	77,178	146,738	3,319,755	104,371	4,667,509	1,243,383
Confectionery	50	187	1,132	1,030	1,175	447,818	851,489	3,858,729	100,656	7,087,292	3,127,907
Cooperage	5	17	216	745	402	58,624	258,010	980,728	18,978	1,419,527	419,821
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	65	192	874	.....	1,393	483,703	1,080,271	2,467,465	56,308	5,893,693	3,369,920
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	11	49	125	50	248	86,569	121,267	327,778	9,632	724,490	387,080
Dental goods and equipment	3	19	11	.....	52	69,216	30,520	752,769	4,599	1,203,306	445,938
Doors, shutters, and window sash and frames, metal	3	42	191	.....	337	121,848	246,599	374,791	16,303	883,872	492,778
Druggists' preparations	9	18	36	.....	55	39,647	41,434	134,220	5,992	390,126	249,914
Electrical machinery, apparatus, and supplies	37	351	1,280	120	2,895	905,674	1,604,557	4,993,599	128,406	11,022,492	5,900,487
Electroplating	11	9	84	.....	189	14,442	101,856	53,019	13,178	287,410	221,213
Engines, turbines, tractors, and water wheels	8	156	402	50	1,192	421,018	510,944	1,159,156	37,902	3,180,949	1,983,891
Engraving, steel and copperplate, and plate printing	7	23	88	.....	63	35,320	94,125	93,701	1,909	350,497	254,887
Envelopes	8	64	298	.....	259	95,354	276,546	572,516	8,627	1,334,221	753,078
Fancy and miscellaneous articles, not elsewhere classified	6	18	177	.....	37	42,093	118,673	283,064	6,588	733,772	444,120
Feeds, prepared, for animals and fowls	20	144	224	168	4,643	365,422	298,110	8,066,924	85,762	10,828,358	2,675,672
Flavoring extracts and flavoring sirups	11	27	66	.....	74	67,056	79,020	384,459	6,824	641,021	249,738
Flour and other grain-mill products	108	454	3,535	73,249	38,448	1,474,149	6,106,732	129,996,012	1,334,353	158,963,156	27,632,791
Food preparations, not elsewhere classified	9	22	121	215	520	114,760	122,029	1,089,541	27,693	1,619,983	502,749
Foundry and machine-shop products, not elsewhere classified	181	1,316	5,820	2,937	22,783	3,411,555	8,249,025	13,000,434	801,325	37,411,520	23,609,761
Fur goods	51	140	578	.....	163	377,559	1,015,018	2,766,431	27,052	5,320,532	2,527,049
Furniture, including store and office fixtures	63	317	2,052	823	2,943	852,048	2,667,700	4,814,629	118,485	10,239,778	5,306,664
Gas and electric fixtures; lamps, lanterns, and reflectors	7	17	50	.....	100	19,925	40,086	52,973	1,943	129,808	74,892
Gas, manufactured, illuminating and heating	21	332	479	5,931	2,046	634,029	720,793	631,014	2,192,251	6,848,234	4,024,969
Glass products (except mirrors) made from purchased glass	6	16	50	.....	26	37,081	80,911	69,811	2,423	233,095	160,861
Grease and tallow, not including lubricating greases	4	2	16	.....	120	(3)	23,184	115,813	7,221	212,742	89,708
Hand stamps and stencils and brands	9	22	48	.....	44	46,221	68,274	63,188	3,287	268,515	202,040
Hats and caps, except felt and straw, men's	8	16	86	.....	16	25,758	114,860	290,908	2,937	524,838	230,993
House-furnishing goods, not elsewhere classified	10	37	100	.....	63	67,965	108,616	487,195	3,108	891,132	400,829
Ice cream	49	132	417	250	3,102	407,673	595,737	2,674,527	154,975	6,157,504	3,328,002
Ice, manufactured	10	72	83	199	3,327	172,528	118,148	21,567	125,329	722,070	574,874
Jewelry	20	79	231	.....	72	149,063	307,090	357,080	6,933	1,086,567	722,554
Knit goods	14	376	2,162	2,009	567	945,277	2,031,320	4,483,593	82,222	10,905,859	6,340,044
Lubricating oils and greases, not made in petroleum refineries	3	18	35	.....	101	67,453	46,827	137,884	9,492	338,393	191,017
Lumber and timber products, not elsewhere classified	86	177	4,412	16,073	2,664	447,198	4,744,703	6,621,464	94,444	14,744,351	8,028,443
Macaroni, spaghetti, vermicelli, and noodles	6	35	111	.....	482	93,274	106,755	559,332	23,469	1,271,102	688,301
Machine-tool accessories and small metal-working tools, not elsewhere classified	6	13	142	.....	229	61,704	200,460	72,378	7,890	436,174	355,906
Marble, granite, slate, and other stone products	65	230	1,781	808	12,758	654,189	2,645,673	1,903,213	326,746	7,703,151	6,473,192
Mattresses and bed springs, not elsewhere classified	11	87	454	407	872	191,868	489,868	1,827,392	36,637	2,987,046	1,123,017
Meat packing, wholesale	16	1,274	6,936	16,205	13,150	2,423,375	9,058,252	173,040,281	1,227,250	201,155,942	26,888,411
Millinery	7	23	161	.....	39	50,904	134,453	258,074	6,311	544,368	279,983
Mirror and picture frames	3	11	36	.....	37	24,597	52,434	61,975	5,151	234,354	167,228
Mirrors, framed and unframed	5	12	37	.....	90	23,275	56,020	93,337	3,113	236,386	139,936
Models and patterns, not including paper patterns	10	6	55	.....	146	20,725	83,360	31,356	2,804	178,410	144,250

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Motor-vehicle bodies and motor-vehicle parts	19	71	447	----------	884	190,643	617,863	1,008,348	26,690	2,586,605	1,551,567
Nonferrous-metal alloys and products, not including aluminum products	16	42	188	----------	697	125,408	249,503	1,642,952	43,971	2,406,592	719,669
Oil, cake, and meal, linseed	6	41	575	1,950	5,073	101,027	824,620	21,635,590	248,101	28,611,825	6,728,134
Paints and varnishes	27	186	261	90	1,280	423,483	362,136	2,381,744	40,513	4,061,970	1,639,713
Paper	8	214	1,901	71,370	11,955	575,726	2,621,774	11,168,971	1,890,228	21,604,107	8,634,908
Pulp (wood and other fiber)	5	43	653			107,160	841,078	3,644,327	316,815	6,712,776	2,751,634
Patent or proprietary medicines and compounds	34	207	216	----------	282	451,084	208,470	1,479,491	14,885	4,358,930	2,864,554
Perfumes, cosmetics, and other toilet preparations	21	279	440	----------	930	616,431	428,799	1,893,467	35,855	5,595,644	3,666,322
Photo-engraving, not done in printing establishments	13	85	230	----------	120	279,081	454,465	148,448	11,692	1,262,634	1,102,494
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	79	446	2,177	6,146	6,474	1,067,022	2,858,252	6,283,637	136,833	11,473,259	6,052,789
Poultry killing, dressing, and packing, wholesale	35	121	550	177	900	186,123	548,918	7,791,416	68,490	9,509,162	1,649,256
Printing and publishing, book and job	241	1,230	3,594	85	4,508	2,997,763	4,803,010	5,677,951	201,643	21,078,954	15,199,360
Printing and publishing, newspaper and periodical	408	2,806	2,994	181	5,965	5,331,881	4,949,711	7,042,016	292,743	31,707,019	24,372,260
Printing materials, not including type or ink	3	6	10	----------	13	14,320	16,360	15,081	1,387	81,149	64,681
Pumps (hand and power) and pumping equipment	6	45	266	80	382	112,161	284,238	552,611	14,141	1,560,476	993,724
Refrigerators and refrigerator cabinets exclusive of mechanical refrigerating equipment	6	140	1,160	1,500	1,311	475,312	1,315,973	2,397,455	120,121	6,012,170	3,494,594
Saddlery and harness	11	55	152	----------	187	95,388	168,434	601,883	7,551	1,059,037	449,603
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	16	34	132	----------	800	99,178	189,769	1,856,640	38,956	2,493,553	597,967
Ship and boat building, steel and wooden, including repair work	11	10	110	67	305	20,600	161,939	99,261	9,130	349,452	241,061
Shirts	6	14	57	----------	19	29,883	46,330	93,636	882	262,763	168,245
Signs and advertising novelties	46	359	1,915	2,285	533	840,724	2,155,008	2,397,113	52,465	9,242,731	6,793,153
Soap	6	24	36	40	75	55,403	37,703	252,994	5,693	522,111	263,424
Sporting and athletic goods, not including fire-arms or ammunition	6	23	69	----------	196	40,292	74,062	181,051	4,186	386,304	201,067
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	5	9	53	----------	82	24,135	48,755	121,961	5,312	275,177	147,904
Statuary and art goods, factory product	4	8	34	----------	14	22,474	59,479	26,954	1,897	166,694	137,843
Steel barrels, kegs, and drums	5	50	247	----------	337	141,990	312,476	868,001	17,687	1,923,636	1,037,948
Stereotyping and electrotyping, not done in printing establishments	5	15	60	----------	368	33,654	128,897	39,415	9,195	340,796	292,186
Stoves and ranges (other than electric) and warm-air furnaces	16	275	713	----------	1,868	525,446	843,667	1,801,012	98,696	4,402,167	2,502,459
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	18	185	693	255	1,894	434,324	1,116,333	1,959,683	64,603	4,648,627	2,624,341
Surgical and orthopedic appliances, including artificial limbs	12	41	64	----------	108	68,558	85,647	68,936	4,464	340,345	266,945
Suspenders, garters, and other elastic woven goods, made from purchased webbing	4	4	19	----------	6	4,847	14,488	30,231	536	78,957	48,190
Tools, not including edge tools, machine tools, files, or saws	14	56	305	----------	1,514	160,114	363,164	318,785	53,458	1,793,141	1,420,898
Toys (not including children's wheel goods or sleds), games, and playground equipment	7	18	129	----------	268	86,559	163,784	186,820	7,571	754,825	560,434
Trimmings (not made in textile mills) and stamped art goods for embroidering	6	15	62	----------	14	35,702	54,655	110,417	1,575	267,828	155,836
Trunks, suitcases, and bags	8	13	57	----------	35	27,670	72,331	164,952	2,895	334,489	166,642
Wall plaster, wall board, insulating board, and floor composition	6	98	336	1,230	5,282	211,474	429,479	1,000,801	149,226	3,397,064	2,247,037
Window shades and fixtures	5	8	17	----------	3	10,983	16,906	58,898	449	121,082	61,735
Wirework, not elsewhere classified	10	21	132	----------	229	92,908	140,131	434,048	21,446	897,926	442,432
Wood preserving	16	121	869	786	1,815	315,258	1,204,503	11,244,731	130,164	16,329,511	4,954,616
Woolen goods	11	61	410	705	977	262,127	381,768	1,492,632	37,082	2,854,558	1,324,844
Other industries	228	2,436	16,538	83,652	53,589	6,487,518	21,071,952	90,920,618	11,606,365	179,077,350	76,550,367

[a] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Not including data for 3,238 employees of central administrative offices, with salaries aggregating $7,279,321. See GENERAL EXPLANATIONS—Persons Engaged.

[2] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR THE MINNEAPOLIS-ST. PAUL INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for the Minneapolis-St. Paul Industrial Area (see GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county in the State, with one exception, the reason for which is given in an explanatory note, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
MINNEAPOLIS-ST. PAUL INDUSTRIAL AREA											
[This area comprises Dakota, Hennepin, and Ramsey Counties. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnotes 1, 2, and 4), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	1,958	13,825	65,148	151,344	157,003	$33,785,903	$84,462,389	$422,607,459	$12,386,231	$709,829,325	$274,835,635
Awnings, tents, sails, and canvas covers	10	38	102	-------	42	95,064	108,686	293,642	3,907	620,871	323,322
Beverages	19	156	415	1,350	999	365,207	529,929	1,017,292	132,489	3,166,181	2,016,400
Bookbinding and blank-book making [1]	13	32	149	-------	158	51,573	181,222	189,168	6,778	603,715	407,769
Boots and shoes, other than rubber	5	39	291	-------	208	50,880	307,401	902,545	13,957	1,715,572	799,070
Boxes, paper, not elsewhere classified	13	150	711	-------	2,255	336,519	757,499	2,794,512	48,814	4,763,051	1,919,725
Boxes, wooden, except cigar boxes	13	27	272	300	810	74,406	274,825	732,680	21,927	1,459,968	705,361
Bread and other bakery products	205	295	2,747	1,651	3,449	646,996	3,010,333	8,515,240	350,484	19,318,889	10,453,165
Brooms	6	5	50	-------	33	9,517	63,361	96,774	1,559	222,115	123,782
Butter	29	132	280	363	1,699	262,803	353,440	13,226,809	74,294	14,979,534	1,678,431
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	13	78	226	285	237	195,227	181,328	1,373,216	25,267	2,271,245	872,762
Car and general construction and repairs, steam-railroad repair shops	21	486	6,878	5,516	8,647	1,209,387	10,583,377	7,242,460	610,991	19,672,714	11,819,263
Carriages, wagons, sleighs, and sleds [2]	5	29	207	200	565	86,425	238,338	577,000	24,735	1,080,139	478,404
Cigars and cigarettes	8	21	230	-------	37	45,329	197,745	313,349	4,585	818,906	500,972
Cleaning and polishing preparations	8	21	20	-------	20	29,711	16,335	144,848	464	290,458	145,146
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	38	149	1,692	-------	391	411,728	1,998,555	5,291,276	49,760	9,146,466	3,805,430
Clothing, women's, not elsewhere classified	29	109	831	-------	173	238,403	630,374	2,266,301	16,636	4,085,453	1,802,516
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	9	57	602	-------	215	121,017	561,086	1,514,602	12,327	2,587,639	1,060,710
Concrete products	35	53	177	70	1,105	93,698	235,272	810,211	32,312	1,458,947	616,424
Condensed and evaporated milk	4	6	61	103	342	27,705	82,110	1,802,236	39,390	2,525,808	684,182
Confectionery	42	161	929	780	891	389,635	706,378	3,238,099	81,539	5,990,104	2,670,466
Cooperage	5	17	216	745	402	58,624	258,010	980,728	18,978	1,419,527	419,821
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	41	131	645	-------	713	321,665	794,789	1,784,243	39,581	4,336,721	2,512,897
Dental goods and equipment	3	19	11	-------	52	69,216	30,520	752,769	4,599	1,203,306	445,938
Doors, shutters, and window sash and frames, metal	3	42	191	-------	337	121,848	246,599	374,791	16,303	883,872	492,778
Druggists' preparations	9	18	36	-------	55	39,647	41,434	134,220	5,992	390,126	249,914
Electrical machinery, apparatus, and supplies [1]	37	351	1,280	120	2,895	905,674	1,604,557	4,993,599	128,406	11,022,492	5,900,487
Electroplating [2]	11	9	84	-------	189	14,442	101,856	53,019	13,178	287,410	221,213
Engraving, steel and copperplate, and plate printing	7	23	88	-------	63	35,320	94,125	93,701	1,909	350,497	254,887
Envelopes	8	64	298	-------	259	95,354	276,546	572,516	8,627	1,334,221	753,078
Fancy and miscellaneous articles, not elsewhere classified	6	18	177	-------	37	42,093	118,673	283,064	6,585	733,772	444,120
Feeds, prepared, for animals and fowls	14	142	206	168	4,108	361,222	276,267	7,792,414	80,673	10,432,025	2,558,938
Flavoring extracts and flavoring sirups [2]	11	27	66	-------	74	67,056	79,020	384,459	6,824	641,021	249,738
Flour and other grain-mill products	22	149	2,398	55,250	27,378	680,040	3,543,084	78,372,736	710,333	95,989,216	16,906,147
Foundry and machine-shop products, not elsewhere classified	132	1,133	4,635	2,727	17,757	2,936,255	6,699,154	10,639,252	623,704	31,169,687	19,906,731
Fur goods	43	126	508	-------	152	338,716	930,443	2,515,403	22,884	4,718,304	2,180,012
Furniture, including store and office fixtures	51	250	1,672	678	2,057	705,810	2,208,586	4,137,205	88,058	8,595,662	4,370,399
Gas and electric fixtures; lamps, lanterns, and reflectors	7	17	50	-------	100	19,925	40,086	52,973	1,943	129,808	74,892
Glass products (except mirrors) made from purchased glass	6	16	50	-------	26	37,081	80,911	69,811	2,423	233,095	160,861
Grease and tallow, not including lubricating greases	4	2	16	-------	120	(3)	23,184	115,813	7,221	212,742	89,708
Hand stamps and stencils and brands [2]	9	22	43	-------	44	46,221	68,274	63,188	3,257	268,515	202,040
Ice cream	12	76	261	-------	1,670	288,288	386,490	1,490,420	84,548	3,629,875	2,054,907
Ice, manufactured	5	60	41	-------	2,761	154,863	79,595	5,915	107,114	556,633	443,604
Jewelry	17	40	166	-------	57	70,703	232,674	265,880	4,617	762,611	492,114
Knit goods	10	368	2,116	2,009	432	930,856	1,987,633	4,390,552	76,621	10,701,002	6,233,829
Lubricating oils and greases, not made in petroleum refineries	3	18	35	-------	101	67,453	46,827	137,884	9,492	338,393	191,017
Macaroni, spaghetti, vermicelli, and noodles	6	35	111	-------	482	93,274	106,755	559,332	23,469	1,271,102	688,301
Machine-tool accessories and small metal-working tools, not elsewhere classified	6	13	142	-------	229	51,704	200,460	72,378	7,890	436,174	355,906
Marble, granite, slate, and other stone products	17	67	358	45	3,106	210,120	587,885	599,047	48,698	1,798,702	1,150,957
Mattresses and bed springs, not elsewhere classified [1]	11	87	454	407	872	191,868	489,868	1,527,392	36,637	2,987,046	1,123,017
Millinery	7	23	161	-------	39	30,904	134,453	258,074	6,311	544,368	279,983
Mirror and picture frames	3	11	36	-------	57	24,597	52,434	61,975	5,151	234,334	167,228
Mirrors, framed and unframed	3	12	37	-------	90	25,275	56,020	93,337	3,113	236,386	139,936
Models and patterns, not including paper patterns [2]	10	6	55	-------	146	20,725	83,360	31,356	2,804	178,410	144,250
Motor-vehicle bodies and motor-vehicle parts	11	65	375	-------	706	177,287	521,538	886,316	23,894	2,274,566	1,364,356
Nonferrous-metal alloys and products, not including aluminum products [2]	16	42	188	-------	697	125,408	243,503	1,642,952	43,971	2,406,592	719,669
Paints and varnishes	17	139	202	90	781	362,859	268,212	1,885,884	33,476	3,295,776	1,376,416
Paper	3	119	485	10,310	1,735	244,228	639,741	3,015,718	390,556	5,799,617	2,193,343
Patent or proprietary medicines and compounds	26	150	163	-------	133	361,006	157,468	897,041	11,131	3,563,382	2,655,210
Photo-engraving, not done in printing establishments [2]	13	85	230	-------	120	279,081	454,465	148,448	11,692	1,262,634	1,102,494
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	37	285	1,402	4,036	2,122	699,487	1,861,336	3,020,506	76,621	6,916,119	3,818,992
Poultry killing, dressing, and packing, wholesale	11	24	72	-------	100	33,354	79,932	1,420,643	11,345	1,738,442	297,454
Printing and publishing, book and job	189	1,084	3,194	75	4,002	2,717,589	4,254,270	5,116,033	171,965	18,907,745	13,619,747
Printing and publishing, newspaper and periodical	105	2,003	1,678	150	3,358	3,816,644	3,097,086	5,539,285	150,038	23,283,638	17,594,315
Printing materials, not including type foundry	3	6	10	-------	13	14,320	16,360	15,081	1,387	81,149	64,681

See footnotes at end of this section, p. 273.

TABLE 13.—GENERAL STATISTICS FOR THE MINNEAPOLIS-ST. PAUL INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
MINNEAPOLIS-ST. PAUL INDUSTRIAL AREA—Continued											
Refrigerators and refrigerating cabinets, exclusive of mechanical refrigerating equipment [2]	6	140	1,160	1,500	1,311	$475,312	$1,315,973	$2,397,455	$120,121	$6,012,170	$3,494,594
Saddlery and harness [1]	11	55	152	.....	187	95,388	168,434	601,883	7,551	1,059,037	449,603
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	13	27	112	.....	707	82,670	166,949	1,618,131	35,173	2,181,081	527,777
Ship and boat building, steel and wooden, including repair work	5	2	34	.....	94	(3)	36,845	52,904	1,125	103,455	49,426
Shirts	6	14	57	.....	19	29,883	46,330	93,636	882	262,763	168,245
Signs and advertising novelties [4]	46	359	1,915	2,285	533	840,724	2,155,068	2,397,113	52,465	9,242,731	6,793,153
Soap	6	24	36	40	75	55,403	37,703	252,994	5,693	522,111	263,424
Sporting and athletic goods, not including firearms or ammunition [2]	6	23	69	.....	196	40,292	74,062	181,051	4,186	386,304	201,067
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	5	9	53	.....	82	24,135	48,755	121,961	5,312	275,177	147,904
Statuary and art goods, factory product	4	8	34	.....	14	22,474	59,479	26,954	1,897	166,694	137,843
Steel barrels, kegs, and drums	5	50	247	.....	837	141,990	312,476	868,001	17,687	1,923,636	1,037,948
Stereotyping and electrotyping, not done in printing establishments	5	15	60	.....	368	33,654	128,897	39,415	9,195	340,796	292,186
Stoves and ranges (other than electric) and warm-air furnaces	11	66	247	.....	224	181,830	347,047	652,178	19,027	1,778,003	1,106,798
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills [2]	18	185	693	255	1,894	434,324	1,116,333	1,959,683	64,603	4,648,627	2,624,341
Surgical and orthopedic appliances, including artificial limbs [2]	12	41	64	.....	108	68,558	85,647	68,936	4,464	340,345	266,945
Tools, not including edge tools, machine tools, files, or saws	9	13	70	.....	157	25,087	95,102	101,756	8,244	720,351	610,351
Trunks, suitcases, and bags [2]	8	13	57	.....	35	27,670	72,331	164,952	2,895	334,489	166,642
Window shades and fixtures	5	8	17	.....	3	10,983	16,906	58,898	449	121,082	61,735
Other industries	303	3,372	18,772	59,806	47,948	8,571,620	23,838,815	211,561,498	7,151,614	316,112,238	97,399,126

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside the Minneapolis-St. Paul Industrial Area have been included with those for the area, as specified in footnotes 1, 2, and 4, to avoid disclosing data reported by individual establishments.

[1] Includes data for 2 establishments located outside the Minneapolis-St. Paul Industrial Area.
[2] Includes data for 1 establishment located outside the Minneapolis-St. Paul Industrial Area.
[3] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
[4] Includes data for 3 establishments located outside the Minneapolis-St. Paul Industrial Area.

DAKOTA COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Meat packing, wholesale"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	32	694	4,320	10,499	9,976	$1,464,335	$5,544,749	$108,079,658	$902,851	$126,063,131	$17,080,622

HENNEPIN COUNTY

[The totals for all industries do not include data for a few establishments located outside the county (see footnotes 5 and 6), and therefore are slightly smaller than the sum of the items for the individual industries]

All industries, total	1,258	7,957	36,731	81,419	99,609	$20,106,709	$47,119,501	$212,162,633	$5,728,637	$371,579,221	$153,687,951
Beverages	14	25	114	.....	236	47,412	143,345	261,916	13,353	749,496	474,227
Boxes, wooden, except cigar boxes	9	20	156	.....	583	58,266	158,041	572,085	13,191	1,016,959	431,683
Bread and other bakery products	135	224	1,847	1,096	2,031	502,546	1,966,015	5,446,163	241,677	12,614,482	6,926,642
Butter	16	48	122	38	1,203	104,502	162,376	5,433,844	29,719	6,247,840	784,277
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	6	61	118	35	91	157,655	98,119	732,182	13,485	1,182,138	436,471
Car and general construction and repairs, steam-railroad repair shops	7	219	3,631	3,206	3,631	564,410	5,542,333	4,118,893	330,831	10,556,467	6,106,743
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	23	106	985	.....	153	296,990	980,697	2,696,582	23,873	4,605,408	1,884,953
Clothing, women's, not elsewhere classified	21	89	609	.....	141	197,855	441,516	1,625,868	11,810	2,981,549	1,343,871
Coffee and spice, roasting and grinding	12	54	112	.....	519	150,154	133,825	4,052,618	30,811	5,056,421	972,992
Concrete products	25	35	123	38	874	58,478	170,129	692,844	23,585	1,144,337	427,908
Confectionery	27	103	594	225	629	245,020	486,354	2,446,388	55,742	4,373,648	1,871,518
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	29	79	457	.....	459	189,405	569,532	1,223,191	26,017	2,991,094	1,741,886
Druggists' preparations	5	8	23	.....	35	18,531	26,565	78,443	1,371	236,313	156,499
Electrical machinery, apparatus, and supplies [3]	29	296	1,021	120	1,525	796,870	1,329,037	3,574,771	88,035	8,461,295	4,798,489
Envelopes	4	33	136	.....	131	62,650	117,518	216,311	4,079	617,045	396,655
Feeds, prepared, for animals and fowls	9	129	180	13	3,909	335,477	248,219	7,543,525	75,864	10,086,351	2,466,962
Flavoring extracts and flavoring sirups	7	19	34	.....	30	50,790	38,053	206,795	2,338	385,416	176,283

See footnotes at end of this section, p. 274.

TABLE 13.—GENERAL STATISTICS FOR THE MINNEAPOLIS-ST. PAUL INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
HENNEPIN COUNTY—Continued											
Flour and other grain-mill products	17	114	2,221	55,150	24,520	$589,389	$3,283,453	$70,228,603	$606,046	$86,463,821	$15,629,172
Foundry and machine-shop products, not elsewhere classified	94	771	2,631	152	11,259	1,809,127	3,664,836	7,310,904	282,247	19,366,827	11,773,676
Fur goods	29	64	234	-------	69	157,252	350,588	1,046,930	9,477	1,939,574	883,167
Furniture, including store and office fixtures	40	188	1,304	78	1,675	557,909	1,727,538	3,524,118	61,975	6,951,917	3,365,824
Hand stamps and stencils and brands	4	9	27	-------	29	19,953	38,315	35,007	2,177	139,534	102,350
Jewelry	11	38	153	-------	50	67,722	213,352	251,754	4,581	684,965	428,630
Marble, granite, slate, and other stone products	9	32	207	45	1,607	126,360	338,319	370,629	22,935	1,050,835	657,271
Mattresses and bed springs, not elsewhere classified	5	60	247	407	400	130,613	266,141	914,826	22,337	1,690,883	753,720
Mirror and picture frames	3	11	36	-------	37	24,597	52,434	61,975	5,151	234,354	167,228
Models and patterns, not including paper patterns	7	6	46	-------	114	20,725	65,867	21,351	2,387	142,783	119,045
Nonferrous-metal alloys and products, not including aluminum products	10	21	141	-------	301	62,787	171,009	698,646	22,997	1,091,228	369,585
Paints and varnishes	10	109	154	90	456	290,974	205,071	1,361,303	24,951	2,452,540	1,066,286
Patent or proprietary medicines and compounds	16	83	98	-------	115	249,937	95,812	708,406	8,447	2,561,076	1,844,223
Photo-engraving, not done in printing establishments	8	37	101	-------	47	149,556	202,740	64,560	6,539	615,284	544,185
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	22	228	1,168	2,936	1,127	574,634	1,473,952	2,064,370	53,124	4,985,143	2,867,649
Poultry killing, dressing, and packing, wholesale	7	12	42	-------	40	19,554	44,712	1,069,624	7,240	1,278,658	201,794
Printing and publishing, book and job	121	540	1,826	-------	2,368	1,327,781	2,475,722	2,996,858	101,180	10,252,618	7,154,580
Printing and publishing, newspaper and periodical	59	1,079	905	150	2,226	2,233,286	1,667,879	3,081,574	75,020	12,919,178	9,762,584
Saddlery and harness	5	15	77	-------	89	39,325	73,959	299,400	3,055	497,412	194,957
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [5]	9	20	65	-------	448	60,990	104,691	986,292	21,268	1,361,499	353,939
Signs and advertising novelties	30	60	259	-------	174	151,840	297,056	344,073	8,137	1,118,118	765,908
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	14	159	580	250	1,466	359,546	954,044	1,651,220	54,891	3,947,653	2,241,542
Surgical and orthopedic appliances, including artificial limbs	9	39	61	-------	105	64,490	80,934	62,988	4,392	308,332	240,952
Tools, not including edge tools, machine tools, files, or saw [5]	9	13	70	-------	157	25,087	95,102	101,756	8,244	720,351	610,351
Trunks, suitcases, and bags	5	11	45	-------	23	23,350	56,715	141,219	2,360	273,989	130,410
Other industries	332	2,691	13,879	17,390	34,601	7,138,514	16,534,411	71,944,034	3,324,485	135,401,069	60,132,500

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Hennepin County have been included with those for the county, as specified in footnotes 5 and 6, to avoid disclosing data reported by individual establishments.

[5] Includes data for 2 establishments located outside Hennepin County.
[6] Includes data for 1 establishment located outside Hennepin County.

RAMSEY COUNTY

[The totals for all industries do not include data for a few establishments located outside the county (see footnotes 7 and 9), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	668	5,174	24,097	59,426	47,418	$12,214,859	$31,798,139	$102,365,168	$5,754,743	$212,186,973	$104,067,062
Beverages	5	131	304	1,380	763	317,795	386,584	755,376	119,136	2,416,685	1,542,173
Boxes, wooden, except cigar boxes	4	7	116	300	227	16,140	116,784	160,595	8,736	443,009	273,678
Bread and other bakery products	65	71	887	555	1,405	144,450	1,033,978	3,040,183	108,057	6,655,642	3,507,402
Butter	9	73	135	325	260	135,836	153,245	6,061,369	29,169	6,687,143	596,605
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	7	17	108	250	146	37,572	83,209	641,034	11,782	1,089,107	436,291
Car and general construction and repairs, steam-railroad repair shops	14	267	3,247	2,310	5,016	644,977	5,041,044	3,123,567	280,160	9,116,247	5,712,520
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	15	43	707	-------	238	114,738	1,017,858	2,594,694	25,887	4,541,058	1,920,477
Clothing, women's, not elsewhere classified	8	20	222	-------	32	40,548	188,858	640,433	4,826	1,103,904	458,645
Confectionery	15	58	335	555	262	144,615	220,024	791,711	25,797	1,616,456	798,948
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	12	52	188	-------	254	132,260	225,257	561,052	13,564	1,345,627	771,011
Druggists' preparations	4	10	13	-------	20	21,116	14,869	55,777	4,621	153,813	93,415
Electrical machinery, apparatus, and supplies	8	55	259	-------	1,370	108,804	275,520	1,418,828	40,371	2,561,197	1,101,998
Envelopes	4	31	162	-------	128	33,304	159,028	356,205	4,548	717,176	356,423
Flavoring extracts and flavoring sirups [7]	4	8	32	-------	44	16,266	40,967	177,664	4,486	255,605	73,455
Fur goods	14	62	274	-------	83	181,464	579,855	1,468,473	13,412	2,778,730	1,296,845
Furniture, including store and office fixtures	11	62	368	600	382	147,901	481,048	613,087	26,083	1,643,745	1,004,575
Grease and tallow, not including lubricating greases	4	2	16	-------	120	(8)	23,184	115,813	7,221	212,742	89,708
House-furnishing goods, not elsewhere classified	5	14	60	-------	24	32,539	73,749	325,386	1,544	601,364	274,434
Jewelry	6	2	13	-------	7	(8)	19,322	14,126	36	77,646	63,484
Marble, granite, slate, and other stone products	8	35	151	-------	1,499	83,760	249,566	228,418	25,763	747,867	493,686
Paints and varnishes	7	30	48	-------	325	71,885	63,141	524,581	8,525	843,236	310,130
Patent or proprietary medicines and compounds	10	67	65	-------	18	111,069	61,656	188,635	2,684	1,002,306	810,987
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	15	57	294	1,100	995	124,853	387,384	956,136	23,497	1,930,976	951,343
Poultry killing, dressing, and packing, wholesale	4	12	30	-------	60	13,800	35,240	360,019	4,105	459,784	95,660
Printing and publishing, book and job [7]	68	544	1,368	75	1,634	1,389,808	1,778,548	2,119,175	70,785	8,655,127	6,465,167
Printing and publishing, newspaper and periodical	41	909	750	-------	1,096	1,559,541	1,389,579	2,431,207	73,322	10,240,646	7,736,117

See footnotes at end of this section, p. 275.

TABLE 13.—GENERAL STATISTICS FOR THE MINNEAPOLIS-ST. PAUL INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
RAMSEY COUNTY—Continued											
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	4	7	47	----	259	$21,680	$62,258	$631,839	$13,905	$819,582	$173,838
Signs and advertising novelties [9]	16	299	1,665	2,285	359	688,884	1,857,952	2,053,040	44,328	8,124,613	6,027,245
Wirework, not elsewhere classified	4	8	28	----	38	47,400	29,137	109,907	1,955	213,846	101,984
Wood preserving	6	42	270	153	485	122,567	337,433	4,085,019	34,945	5,926,869	1,806,905
Other industries	276	2,200	12,048	49,538	29,931	5,738,342	15,521,045	65,982,225	4,724,133	129,624,054	58,917,696

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside of Ramsey County have been included with those for the county, as specified in footnotes 7 and 9, to avoid disclosing data reported by individual establishments.

[7] Includes data for 1 establishment located outside Ramsey County.
[8] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
[9] Includes data for 3 establishments located outside Ramsey County.

ST. LOUIS COUNTY											
All industries, total	255	1,442	9,054	49,992	31,332	$3,361,847	$12,158,998	$31,114,600	$7,553,424	$67,997,160	$29,329,136
Beverages	7	21	51	650	101	60,910	60,412	130,380	10,524	418,290	277,386
Bread and other bakery products	43	40	385	----	478	134,222	455,858	1,076,317	48,678	2,471,150	1,346,155
Butter	11	44	71	251	373	85,583	76,163	2,713,441	23,475	3,241,157	504,241
Car and general construction and repairs, steam-railroad repair shops	7	113	1,172	443	2,676	271,870	1,853,392	1,402,905	107,005	3,635,172	2,125,262
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	4	35	251	----	49	71,384	221,849	540,455	6,378	1,029,818	482,985
Concrete products	6	5	34	40	48	17,111	40,629	94,947	3,270	211,317	113,100
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	4	26	122	----	567	92,197	161,260	292,920	9,493	689,497	387,084
Foundry and machine-shop products, not elsewhere classified	13	75	505	45	2,570	234,098	712,475	1,139,458	52,127	2,901,662	1,710,077
Lumber and timber products, not elsewhere classified	10	73	1,635	7,905	----	182,669	1,781,935	2,747,967	8,228	5,610,304	2,854,109
Marble, granite, slate, and other stone products	3	2	11	----	75	[10]	14,627	18,297	900	61,995	42,798
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	7	41	166	665	823	92,297	225,236	361,594	16,035	806,676	429,047
Printing and publishing, book and job	23	47	172	----	239	91,929	231,399	249,598	11,121	793,314	532,595
Printing and publishing, newspaper and periodical	25	295	246	----	420	542,988	443,978	522,043	29,574	2,529,191	1,977,574
Other industries [11]	92	625	4,233	39,993	22,913	1,484,589	5,879,785	19,824,278	7,226,616	43,597,617	16,546,723

[10] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
[11] The figures for this item include data for the "Iron and steel: Steel works and rolling mills" industry, which reported a larger number of wage earners than any other industry in the county, but for which separate figures can not be given without disclosing data for individual establishments.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, with one exception, the reason for which is given in an explanatory note, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
DULUTH											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Meat packing, wholesale"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	193	1,244	6,633	42,768	28,036	$2,899,787	$9,135,760	$26,996,738	$7,398,868	$38,903,568	$24,507,962
MINNEAPOLIS											
[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 1, 2, and 3), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	1,219	7,699	35,704	81,033	96,082	$19,613,229	$45,749,054	$207,507,286	$5,540,372	$361,072,199	$148,024,541
Beverages	14	25	114	.....	236	47,412	143,345	261,916	13,353	749,496	474,227
Boxes, wooden, except cigar boxes [1]	9	20	156	.....	583	58,266	158,041	572,085	13,191	1,016,959	431,683
Bread and other bakery products	129	219	1,777	1,096	1,927	489,071	1,886,741	5,215,558	223,408	12,254,339	6,785,373
Butter	10	41	110	.....	1,114	98,501	147,397	5,115,700	24,328	5,836,169	716,141
Canning and preserving: Fruits and vegetables, pickles, jellies, preserves, and sauces	6	61	118	35	91	157,655	98,119	732,182	13,485	1,182,138	436,471
Car and general construction and repairs, steam-railroad repair shops	7	219	3,631	3,206	3,631	564,410	5,542,333	4,118,893	330,831	10,556,467	6,106,743
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	23	106	985	.....	153	206,990	980,697	2,696,582	23,873	4,605,408	1,884,953
Clothing, women's, not elsewhere classified	21	89	609	.....	141	197,855	441,516	1,625,868	11,810	2,981,549	1,343,871
Coffee and spice, roasting and grinding	12	54	112	.....	519	150,154	133,525	4,052,618	30,811	5,056,421	972,992
Concrete products	19	30	105	30	670	52,578	136,774	632,701	19,237	1,036,621	364,683
Confectionery	27	103	594	225	629	245,020	486,354	2,446,388	55,742	4,373,648	1,871,518
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	29	79	457	.....	459	189,405	569,532	1,223,191	26,017	2,991,094	1,741,886
Druggists' preparations	5	8	23	.....	35	18,531	26,565	78,443	1,371	236,313	156,499
Electrical machinery, apparatus, and supplies [2]	29	296	1,021	120	1,525	796,870	1,329,037	3,574,771	88,035	8,461,295	4,798,489
Envelopes	4	33	136	.....	131	62,050	117,518	216,311	4,079	617,045	396,655
Feeds, prepared, for animals and fowls	9	129	180	13	3,909	335,477	248,219	7,543,525	75,864	10,086,351	2,466,962
Flavoring extracts and flavoring sirups	7	19	34	.....	30	50,790	38,053	206,795	2,338	385,416	176,283
Flour and other grain-mill products [3]	17	114	2,221	55,150	24,520	589,389	3,283,453	70,228,603	606,046	86,463,821	15,629,172
Foundry and machine-shop products, not elsewhere classified	94	771	2,631	152	11,239	1,809,127	3,664,836	7,310,904	282,247	19,366,827	11,773,676
Fur goods	29	64	234	.....	69	157,252	350,588	1,046,930	9,477	1,999,574	883,167
Furniture, including store and office fixtures	40	188	1,304	75	1,675	357,909	1,727,538	3,324,118	61,975	6,951,917	3,395,824
Hand stamps and stencils and brands	4	9	27	.....	29	19,953	33,315	35,007	2,177	139,534	102,350
Jewelry	11	38	153	.....	50	67,722	213,352	251,754	4,881	684,965	428,630
Marble, granite, slate, and other stone products	9	32	207	45	1,607	126,360	338,319	370,629	22,935	1,050,835	657,271
Mattresses and bed springs, not elsewhere classified	5	60	247	407	400	130,613	266,141	914,826	22,337	1,690,883	753,720
Mirror and picture frames	3	11	36	.....	37	24,597	52,434	61,975	5,151	234,354	167,228
Models and patterns, not including paper patterns	7	6	46	.....	114	20,725	65,367	21,351	2,387	142,783	119,045
Nonferrous-metal alloys and products, not including aluminum products	10	21	141	.....	301	62,787	171,009	698,646	22,997	1,091,228	369,585
Paints and varnishes	10	109	154	90	456	290,974	205,071	1,361,303	24,951	2,452,540	1,066,286
Patent or proprietary medicines and compounds	16	83	98	.....	115	249,937	95,812	708,406	8,447	2,561,076	1,844,223
Photo-engraving, not done in printing establishments	8	37	101	.....	47	149,556	202,740	64,560	6,539	615,284	544,185
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	22	228	1,108	2,936	1,127	574,634	1,473,952	2,064,370	53,124	4,985,143	2,867,649
Poultry killing, dressing, and packing, wholesale [1]	7	12	42	.....	40	19,554	44,712	1,069,624	7,240	1,278,658	201,794
Printing and publishing, book and job	121	540	1,826	.....	2,368	1,327,781	2,475,722	2,996,858	101,180	10,252,618	7,154,580
Printing and publishing, newspaper and periodical	52	980	893	150	2,207	2,008,231	1,652,247	2,726,375	74,270	11,224,216	8,423,571
Saddlery and harness	5	15	77	.....	89	39,325	73,959	299,400	3,055	497,412	194,957
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	9	20	65	.....	448	60,990	104,691	986,292	21,268	1,361,499	353,939
Signs and advertising novelties	30	60	250	.....	174	151,840	297,056	344,073	8,137	1,118,118	765,908
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	14	159	580	250	1,466	359,546	954,044	1,651,220	54,891	3,947,653	2,241,542
Surgical and orthopedic appliances, including artificial limbs	9	39	61	.....	105	64,490	80,934	62,988	4,392	308,332	240,952
Tools, not including edge tools, machine tools, files, or saws [2]	9	13	70	.....	157	25,087	95,102	101,756	8,244	720,351	610,351
Trunks, suitcases, and bags	5	11	45	.....	23	23,350	56,715	141,219	2,360	273,989	130,410
Other industries	323	2,550	12,984	17,070	31,792	6,901,213	15,325,489	68,489,349	3,173,556	127,825,803	56,162,898

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Minneapolis have been included with those for the county, as specified in footnotes 1, 2, and 3, to avoid disclosing data reported by individual establishments:

[1] Includes data for 1 establishment located outside Minneapolis.

[2] Includes data for 2 establishments located outside Minneapolis.

[3] Includes data for 3 establishments located outside Minneapolis.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ST. PAUL											
[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 4, 6, and 7), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	637	5,040	23,489	58,676	46,266	$11,908,187	$31,050,277	$98,734,140	$5,677,150	$206,229,380	$101,818,090
Beverages	5	131	304	1,380	763	317,795	386,584	755,376	119,136	2,416,685	1,542,173
Boxes, wooden, except cigar boxes	4	7	116	300	227	16,140	116,784	160,595	8,736	443,009	273,678
Bread and other bakery products	61	71	876	555	1,397	144,450	1,026,078	3,005,683	106,600	6,586,949	3,474,666
Butter	9	73	135	325	260	135,836	153,245	6,061,369	29,169	6,687,143	596,605
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	7	17	108	250	146	37,572	83,209	641,034	11,782	1,089,107	436,291
Car and general construction and repairs, steam-railroad repair shops	14	267	3,247	2,310	5,016	644,977	5,041,044	3,123,567	280,160	9,116,247	5,712,520
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	15	43	707	----	238	114,738	1,017,858	2,594,694	25,887	4,541,058	1,920,477
Clothing, women's, not elsewhere classified	8	20	222	----	32	40,548	188,858	640,433	4,826	1,103,904	458,645
Confectionery	15	58	335	555	262	144,615	220,024	791,711	25,797	1,616,456	798,948
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	12	52	188	----	254	132,260	225,287	561,052	13,564	1,345,627	771,011
Electrical machinery, apparatus, and supplies	8	55	259	----	1,370	108,804	275,520	1,418,828	40,371	2,561,197	1,101,998
Envelopes	4	31	162	----	128	33,304	159,028	356,205	4,548	717,176	356,423
Flavoring extracts and flavoring sirups [4]	4	8	32	----	44	16,266	40,967	177,664	4,486	255,605	73,455
Fur goods	14	62	274	----	83	181,464	579,855	1,468,473	13,412	2,778,730	1,296,845
House-furnishing goods, not elsewhere classified	5	14	60	----	24	32,539	73,749	325,386	1,544	601,364	274,434
Jewelry	6	2	13	----	7	[5]	19,322	14,126	36	77,646	63,484
Marble, granite, slate, and other stone products	8	35	151	----	1,499	83,760	249,566	228,418	25,763	747,867	493,686
Paints and varnishes	7	30	48	----	325	71,885	63,141	524,581	8,525	843,236	310,130
Patent or proprietary medicines and compounds	10	67	65	----	18	111,069	61,656	188,635	2,684	1,002,306	810,987
Planing-mill products (including general millwork), not made in planing mills connected with saw-mills [4]	15	57	294	1,100	995	124,853	387,384	956,136	23,497	1,930,976	951,343
Poultry killing, dressing, and packing, wholesale	4	12	30	----	60	13,800	35,240	360,019	4,105	459,784	95,660
Printing and publishing, book and job [4]	68	544	1,368	75	1,634	1,389,808	1,778,548	2,119,175	70,785	8,655,127	6,465,167
Printing and publishing, newspaper and periodical [6]	41	909	750	----	1,096	1,559,541	1,389,579	2,431,207	73,322	10,240,646	7,736,117
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	4	7	47	----	259	21,680	62,258	631,839	13,905	819,582	173,838
Signs and advertising novelties [7]	16	299	1,665	2,285	359	688,884	1,857,952	2,053,040	44,328	8,124,613	6,027,245
Wirework, not elsewhere classified	4	8	28	----	38	47,440	29,137	109,907	1,955	213,846	101,984
Other industries	277	2,182	12,123	49,541	29,821	5,723,214	15,642,279	67,263,823	4,720,867	131,699,067	59,714,377

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' products. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside St. Paul have been included with those for the city, as specified in footnotes 4, 6, and 7, to avoid disclosing data reported by individual establishments.

[4] Includes data for 1 establishment located outside St. Paul.
[5] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
[6] Includes data for 2 establishments located outside St. Paul.
[7] Includes data for 3 establishments located outside St. Paul.

MISSISSIPPI

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	1,911	52,086	252,580	196,263	56,317	$42,207,557	$113,592,297	$109,653,357	$3,938,940	$220,917,692	$107,325,395
1927	1,333	50,569	214,232	177,240	36,992	40,734,359	105,559,493	102,191,691	3,367,802	196,640,742	91,081,249
1925	1,705	55,171	211,691	187,829	23,862	41,231,045	103,588,476	(4)	(4)	200,453,028	96,864,552
1923	1,235	54,352	177,693	159,095	18,598	40,018,853	87,888,332	(4)	(4)	178,581,729	90,693,397
1921	1,116	42,222	(5)	(5)	(5)	30,197,067	58,233,563	(4)	(4)	114,083,861	55,850,298
1919	2,455	57,560	200,772	187,128	13,644	51,255,716	96,677,871	93,682,626	2,995,245	197,746,987	101,069,116
1914	2,209	46,702	186,404	179,625	6,779	19,176,627	41,340,122	39,948,838	1,391,284	79,550,095	38,209,973
1909	2,598	50,384	206,157	203,661	2,496	18,767,723	36,925,582	35,653,794	1,271,788	80,555,410	43,629,828
1904	1,520	38,690	110,313	109,805	508	14,819,634	25,800,885	24,904,930	895,955	57,453,445	31,650,560
1899	1,294	26,799	65,618	65,236	382	7,909,607	16,543,029	(6)	(6)	33,718,517	17,175,488
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	43.4	3.0	17.9	10.7	52.2	3.6	7.6	7.3	17.0	12.3	17.8
1925–1927	−21.8	−8.3	1.2	−5.6	55.0	−1.2	1.5			−1.9	−6.0
1923–1925	38.1	1.5	19.1	18.1	28.3	3.0	17.9			12.2	6.8
1921–1923	10.7	28.7				32.5	50.9			56.5	62.4
1919–1921	−54.5	−26.7				−41.1	−39.8			−42.3	−44.7
1919–1929	−22.2	−9.5	25.8	4.9	312.8	−17.7	17.5	17.0	31.5	11.7	6.2
1909–1919	−5.5	14.2	−2.6	−8.1	446.6	173.1	161.8	162.8	135.5	145.5	131.7
1899–1909	100.8	88.0	214.2	212.2	553.4	137.3	123.2			138.9	154.0

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	2,009,821	1,911	52,086	252,580	$42,207,557	$113,592,297	$109,653,357	$3,938,940	$220,917,692	$107,325,395
Counties [3]										
Adams	23,564	30	800	3,364	614,595	1,282,296	1,233,664	48,632	3,332,236	2,049,940
Alcorn	23,653	35	713	2,484	465,412	1,921,837	1,855,173	66,664	3,072,366	1,150,529
Attala	26,035	42	1,130	6,258	762,638	2,301,168	2,230,179	70,989	4,603,407	2,302,239
Benton	9,813	27	119	723	58,550	62,960	62,750	210	231,250	168,290
Bolivar	71,051	13	117	1,390	96,258	1,102,355	1,067,722	34,633	1,512,097	409,742
Calhoun	18,080	71	528	3,196	322,336	673,257	671,627	1,630	1,329,120	655,863
Carroll	19,765	17	148	756	90,441	264,276	259,620	4,656	538,214	273,938
Chickasaw	20,835	21	224	1,399	159,974	475,994	458,067	17,927	931,629	455,635
Choctaw	12,339	10	76	499	45,128	133,349	132,602	747	250,115	116,766
Claiborne	12,152	20	358	1,504	242,461	1,067,090	1,044,662	22,428	1,653,200	586,110
Clarke	19,679	14	1,793	6,944	1,397,814	1,738,349	1,644,863	93,486	4,924,650	3,186,301
Clay	17,931	15	185	1,372	121,519	736,975	716,023	20,952	1,064,161	327,186
Coahoma	46,327	23	462	3,623	364,502	3,577,302	3,488,938	88,364	4,858,238	1,280,936
Copiah	31,614	31	611	2,503	414,671	1,130,041	1,104,193	25,848	2,274,659	1,144,618
Covington	15,028	12	58	390	31,692	44,940	44,140	800	122,527	77,587
Forrest	30,115	46	2,244	8,602	1,992,706	4,317,143	4,134,991	182,152	9,978,718	5,661,575
Franklin	12,268	10	1,013	2,540	805,313	403,367	310,427	92,940	2,033,472	1,630,105
George	7,523	7	98	185	38,866	123,234	119,194	4,040	311,997	188,763
Greene	10,644	19	1,004	4,278	782,363	1,105,746	1,102,123	3,623	2,852,312	1,746,566
Grenada	16,802	33	592	2,879	553,348	3,412,825	3,350,620	62,205	5,582,564	2,169,739
Hancock	11,415	12	772	2,516	510,075	757,289	748,135	9,154	1,706,900	949,611
Harrison	44,143	57	1,582	3,187	1,351,847	3,556,412	3,343,649	212,763	6,850,108	3,293,696
Hinds	85,118	104	2,548	14,206	2,455,412	13,571,668	13,205,598	366,070	20,929,559	7,357,891
Holmes	38,534	31	639	2,217	577,540	787,502	755,050	32,452	2,051,040	1,263,538
Humphreys	24,729	9	191	1,024	244,962	394,827	373,737	21,090	1,036,088	641,261

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [3]—Continued										
Itawamba	15,225	62	317	1,765	$161,314	$371,350	$370,740	$640	$773,265	$401,885
Jackson	15,973	17	976	21,458	739,198	2,828,126	2,822,576	206,252	5,292,538	2,764,410
Jasper	18,634	16	427	1,507	270,532	901,705	774,974	26,731	1,002,094	700,389
Jefferson	14,291	11	91	294	64,808	45,150	40,605	2,273	147,846	104,666
Jefferson Davis	14,281	9	77	378	41,221	67,159	65,963	1,196	156,920	89,761
Jones	41,492	47	4,037	22,484	3,583,654	6,896,533	6,488,455	410,078	17,292,811	10,336,278
Kemper	21,881	27	964	5,332	843,286	914,011	899,934	44,077	2,531,677	1,617,666
Lafayette	19,675	29	171	1,025	110,650	319,138	314,842	4,296	571,420	252,282
Lauderdale	52,748	65	1,674	6,988	1,583,215	7,651,275	7,431,309	219,967	12,014,589	4,363,313
Lawrence	12,471	8	146	397	95,997	112,537	111,437	1,100	269,924	157,387
Leake	21,503	13	245	940	151,679	293,762	287,896	5,866	724,021	430,259
Lee	35,313	32	905	2,330	539,067	3,169,237	3,067,712	101,525	4,887,658	1,718,421
Leflore	33,509	29	589	4,452	486,327	5,643,421	5,533,169	110,252	7,549,509	1,906,088
Lincoln	26,337	23	967	4,343	963,276	1,413,974	1,359,403	56,571	3,737,776	2,371,802
Lowndes	29,887	27	822	3,306	699,901	1,803,408	1,695,217	108,188	3,446,386	1,642,961
Madison	35,796	20	333	2,327	446,645	568,375	556,295	12,080	1,692,289	1,093,914
Marion	19,923	16	755	3,304	574,449	749,095	722,320	26,775	1,882,044	1,132,949
Marshall	24,869	14	78	326	34,292	138,280	132,881	5,399	296,416	158,136
Monroe	36,144	41	406	2,235	281,194	726,580	710,409	16,171	1,612,092	885,512
Montgomery	15,009	34	343	1,241	175,157	1,103,256	1,094,092	89,164	1,545,800	442,544
Neshoba	26,691	13	1,080	4,009	634,531	593,955	560,454	33,501	2,291,747	1,697,792
Newton	22,910	20	434	2,453	292,699	1,191,360	1,158,794	32,566	2,206,027	1,014,667
Noxubee	25,560	20	449	2,589	308,214	842,531	825,295	17,236	1,485,280	642,749
Oktibbeha	19,112	29	413	2,963	263,381	1,883,455	1,839,337	44,116	2,685,952	805,499
Panola	28,548	14	123	1,190	82,818	613,534	601,459	12,075	855,141	241,507
Pearl River	12,405	22	2,254	9,366	1,388,051	2,192,471	2,163,577	28,894	5,965,241	3,772,770
Perry	8,197	9	245	1,138	124,575	179,717	173,387	4,330	454,201	274,484
Pike	32,204	25	1,928	5,648	1,861,186	2,692,859	2,547,377	145,482	5,568,340	2,875,981
Pontotoc	22,034	11	89	560	34,512	301,341	287,702	13,639	492,551	191,210
Prentiss	19,265	22	242	876	92,737	55,700	45,105	10,595	221,461	165,761
Quitman	28,304	6	27	288	20,451	13,789	13,789	1,297	68,854	52,868
Rankin	20,353	20	973	3,616	742,886	1,835,276	1,795,615	39,686	3,474,569	1,639,293
Scott	20,914	16	920	2,138	744,268	668,608	646,523	22,453	2,341,744	1,673,136
Simpson	20,597	16	826	4,964	632,079	1,272,137	1,258,215	13,922	2,375,761	1,103,624
Sunflower	66,364	12	151	1,833	122,233	1,034,491	1,001,919	32,572	1,455,799	421,308
Tallahatchie	35,568	11	497	1,564	272,407	1,134,829	1,077,001	57,828	1,735,512	601,483
Tate	17,671	4	14	97	14,340	11,389	9,200	2,189	35,479	24,490
Tippah	18,686	21	174	1,093	65,474	181,178	180,350	828	282,278	131,100
Tishomingo	16,411	38	457	2,672	270,575	686,149	647,796	8,353	1,159,862	533,713
Union	21,366	22	238	781	197,795	267,733	257,374	10,359	708,373	440,640
Walthall	13,571	8	80	477	54,357	101,248	99,566	1,682	233,489	132,141
Warren	35,786	44	1,684	6,102	1,542,568	2,781,473	2,636,990	144,483	7,046,497	4,265,022
Washington	34,310	39	1,357	8,443	1,127,474	5,992,035	5,801,447	190,588	9,275,169	3,296,134
Wayne	15,286	16	314	1,730	301,214	621,429	616,764	4,665	1,326,031	704,602
Webster	12,128	36	313	1,366	158,643	150,279	150,279	----------	465,454	315,175
Winston	21,229	34	842	2,654	372,116	1,455,073	1,389,943	65,130	2,456,111	1,017,045
Yalobusha	17,756	39	299	1,777	215,669	592,479	578,385	14,094	1,141,131	548,652
Yazoo	37,282	29	493	2,292	325,463	1,006,024	972,221	33,803	1,974,508	968,484
All other counties [4]	136,908	66	2,681	12,245	2,383,608	3,537,137	3,450,364	86,773	9,741,271	6,204,134
Cities having 10,000 inhabitants or more [5]										
Biloxi	14,580	36	822	1,386	600,665	1,485,639	1,339,734	125,845	2,942,074	1,453,435
Clarksdale	10,043	17	286	2,370	273,534	2,589,747	2,483,692	66,055	3,922,012	1,092,265
Columbus	10,743	19	588	2,034	560,966	1,125,623	1,077,926	47,697	2,010,434	883,811
Greenville	14,897	26	1,728	5,719	980,533	3,298,871	3,156,659	142,212	5,687,502	2,389,081
Greenwood	11,123	18	287	1,378	227,929	1,829,409	1,794,366	35,253	2,888,994	1,059,585
Hattiesburg	18,601	37	1,587	5,734	1,339,796	3,664,796	3,508,775	156,021	7,774,387	4,109,791
Jackson	48,282	91	2,074	12,587	2,116,384	12,645,182	12,303,574	341,308	19,153,552	6,508,490
Laurel	18,017	37	3,635	20,602	3,297,324	6,266,772	5,964,548	302,224	15,921,909	9,655,137
McComb	10,037	14	1,492	4,456	1,649,666	2,094,488	1,968,604	125,884	4,592,926	2,471,488
Meridian	31,954	44	3,213	5,179	994,477	5,643,420	5,495,542	147,879	8,857,922	3,244,502
Vicksburg	22,943	34	1,146	3,047	1,397,341	1,982,243	1,856,319	125,924	3,217,370	1,235,127

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
[4] Amite, De Soto, Lamar, Sharkey, Smith, Stone, Tunica, and Wilkinson Counties. See footnote 3.) No manufacturing was reported from Issaquena County.
[5] Not including Gulfport and Natchez, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments located outside the cities but within the counties in which the cities are situated.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, and 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	57,807	53,637	4,170	1,539	1,501	38	[2] 565	[2] 545	20	[2] 3,617	[2] 3,103	[2] 514	52,086	[3] 48,488	[3] 3,598
1919 [1, 4]	64,452	60,866	3,586	2,811	2,719	92	554	544	10	3,527	3,010	517	57,560	54,593	2,967
1914 [4]	52,277	50,010	2,267	2,386	2,340	46	376	373	3	2,813	2,618	195	46,702	44,079	2,023
1909	56,761	54,057	2,704	2,974	2,918	56	305	302	3	3,098	2,939	159	50,384	47,898	2,486

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 39 (male). Other salaried officers and employees—total, 256; male, 194; female, 62. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	52,086	51,857	61,627	51,743	52,473	51,799	51,558	52,146	52,739	53,512	53,198	51,997	*50,383*	94.2
1919 [1]	57,560	54,573	53,177	53,870	*52,653*	53,185	52,920	55,793	59,933	63,160	64,736	63,823	62,897	81.3
1914 [1]	46,702	43,363	47,519	47,810	47,290	45,296	45,097	46,143	47,304	48,010	47,774	45,881	*43,937*	90.8
1909 [1]	50,384	49,148	49,511	49,839	47,851	*45,173*	45,198	47,237	50,341	53,195	55,387	56,436	55,285	80.1

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,911	52,086	45 and over but under 48	30	1,067
			48	154	3,695
Not reported	746	3,469	Over 48 but under 54	81	2,314
Under 40	37	316	54	92	2,030
40	38	690	Over 54 but under 60	137	8,623
Over 40 but under 44	4	28	60 and over	564	29,683
44 and over but under 45	28	171			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, and 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,911	2,455	2,598	52,086	57,560	50,384	51 to 100	88	105	80	6,551	7,750	5,699
							101 to 250	69	74	53	10,450	11,884	8,467
No wage earners	9	158	71				251 to 500	34	24	22	12,230	8,599	8,038
1 to 5	1,106	1,272	1,299	4,584	2,853	3,592	501 to 1,000	11	14	9	7,464	9,088	5,467
6 to 20	405	597	777	4,507	6,705	8,872	1,001 to 2,500		3	1		3,712	1,118
21 to 50	189	208	286	6,300	6,999	9,131							

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,911	2,455	2,598	52,086	57,560	50,384	$220,917,692	$197,746,987	$80,555,410	$107,325,395	$101,069,116	$43,629,828
Less than $5,000	(2)	759	1,156	(2)	869	3,260	(2)	1,882,744	2,573,206	(2)	1,337,938	1,918,351
$5,000 to $19,999	1,030	749	785	4,743	3,411	6,838	9,140,701	7,626,893	8,089,215	6,005,008	5,383,955	5,717,616
$20,000 to $99,999	504	593	467	6,725	9,175	12,679	24,201,792	25,986,780	19,633,830	13,357,702	15,792,497	12,336,122
$20,000 to $49,999	287	(3)	(3)	3,065	(3)	(3)	8,889,644	(3)	(3)	5,545,196	(3)	(3)
$50,000 to $99,999	217	(3)	(3)	3,660	(3)	(3)	15,212,148	(3)	(3)	7,812,506	(3)	(3)
$100,000 to $499,999	267	257	190	15,304	17,755	27,607	57,823,022	58,806,959	50,259,159	28,874,092	30,504,697	23,657,739
$100,000 to $249,999	182	(3)		7,884	(3)		28,273,784	(3)		14,719,333	(3)	
$250,000 to $499,999	85	(3)		7,420	(3)		29,549,238	(3)		14,154,759	(3)	
$500,000 to $999,999	54	59		7,157	11,115		38,200,882	43,400,086		14,483,337	20,150,250	
$1,000,000 end over	56	38	-------	18,157	15,235	-------	91,551,295	60,043,525	----------	44,605,256	27,899,779	----------
$1,000,000 to $2,499,999	48	(3)	(3)	15,057	(3)	(3)	68,925,222	(3)	(3)	35,776,371	(3)	(3)
$2,500,000 to $5,000,000	8	(3)	(3)	3,100	(3)	(3)	22,626,073	(3)	(3)	8,828,885	(3)	(3)

[1] Value of products less cost of meterials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabuleted separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,911	2,455	52,086	57,560	$220,917,692	$197,746,987	$107,325,395	$101,069,116
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	607	498	40,397	41,920	186,269,000	149,371,210	87,964,362	72,532,760
Other forms of ownership or control (individual, partnership, etc.)	1,304	1,957	11,689	15,640	34,648,692	48,375,777	19,361,033	28,536,356
TYPE OF OPERATION								
Central-administrative-office (plurel-unit)	276	(1)	22,645	(1)	106,851,313	(1)	50,002,131	(1)
Independent (single-unit)	1,635	(1)	29,441	(1)	114,066,379	(1)	57,323,264	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY: 1929, 1927, 1925, 1919, AND 1914

CENSUS YEAR	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
1929	252,580	196,263	1,607	135,688	61	47,634	352	12,941	-------	-------	5,340	56,317	1,734	41,203
1927	214,232	177,240	1,139	122,604	46	42,420	322	12,126	3	90	4,031	36,992	1,640	46,055
1925	211,691	187,829	1,596	147,700	33	28,863	444	11,266	-------	-------	2,636	23,862	1,034	29,951
1919 [1]	200,772	187,128	2,331	170,894	56	13,096	302	2,957	12	181	1,461	13,644	666	21,185
1914 [1]	186,404	179,625	[2] 2,273	[2] 177,287	(3)	(3)	237	1,695	17	643	722	6,779	294	10,572

[1] Data for the "Automobile repairing" industry ere included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 4 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	252,580	196,263	56,317	41,203
Adams	3,364	2,554	810	3,000
Alcorn	2,484	2,058	426	175
Attala	6,258	5,428	830	373
Benton	723	723		
Bolivar	1,390	1,293	97	
Calhoun	3,196	3,184	12	340
Carroll	756	753	3	
Chickasaw	1,399	1,280	119	[2]
Choctaw	499	475	24	
Claiborne	1,504	1,477	27	37
Clarke	6,944	5,095	1,849	204
Clay	1,372	1,140	232	
Coahoma	3,623	1,955	1,668	65
Copiah	2,503	2,402	101	20
Covington	390	390		
Forrest	8,602	5,815	2,787	2,575
Franklin	2,540	[3] 2,540	[3]	
George	185	165	20	2
Greene	4,278	4,248	30	3,475
Grenada	2,879	2,370	509	131
Hancock	2,516	2,461	55	1,140
Harrison	3,187	1,729	1,458	146
Hinds	14,206	7,397	6,809	961
Holmes	2,217	1,923	294	50
Humphreys	1,024	930	94	
Itawamba	1,768	1,763	5	
Jackson	21,475	21,347	128	9,837
Jasper	1,507	[3] 1,507	[3]	
Jefferson	294	293	1	
Jefferson Davis	373	370	3	
Jones	22,454	12,502	9,952	2,715
Kemper	5,332	5,172	160	2,075
Lafayette	1,028	950	78	
Lauderdale	6,988	3,690	3,298	685
Lawrence	397	[3] 397	[3]	
Leake	940	881	59	
Lee	2,830	730	2,100	237
Leflore	4,452	3,615	837	271
Lincoln	4,345	3,235	1,110	1,828
Lowndes	3,303	2,329	974	150
Madison	2,327	2,207	120	613
Marion	3,304	2,308	996	245
Marshall	526	474	52	
Monroe	2,625	2,443	182	
Montgomery	2,241	2,100	141	
Neshoba	4,009	3,855	154	555
Newton	2,455	2,164	291	12
Noxubee	2,389	1,989	400	126
Oktibbeha	2,965	2,364	601	412
Panola	1,190	1,045	145	
Pearl River	9,366	9,158	208	
Perry	1,135	1,052	83	
Pike	5,648	2,557	3,091	902
Pontotoc	560	515	45	
Prentiss	576	498	78	
Quitman	255	210	45	
Rankin	3,616	2,980	636	642
Scott	2,158	2,158		
Simpson	4,264	3,917	347	2,934
Sunflower	1,335	550	785	52
Tallahatchie	1,584	1,525	59	357
Tate	97	50	47	
Tippah	1,093	1,068	25	
Tishomingo	2,672	2,586	86	
Union	791	696	95	
Walthall	417	410	7	
Warren	6,752	4,505	2,247	1,660
Washington	8,445	5,208	3,237	5
Wayne	1,795	1,729	66	
Webster	1,366	1,360	6	
Winston	2,684	1,769	915	
Yalobusha	1,775	1,159	616	
Yazoo	2,392	1,665	727	50
All other counties	12,248	9,423	2,825	[2] 2,146

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Item for Chickasaw County included in that for "Other counties" to avoid disclosing data for a single establishment.
[3] Item for electric motors included with those for prime movers to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	518,402	$2,063,078	468,743	420,284	458,855	478,183	413,603
Anthracite (tons, 2,240 pounds)	3,928	22,826	[3]	9,830	10,874	1,853	3,762
Bituminous (tons, 2,000 pounds)	514,003	2,040,252	[3]	409,274	446,676	476,108	409,390
Coke (tons 2,000 pounds)	9,095	60,864	[4]	[4]	4,861	6,242	5,254
Fuel oils, including crude oils and gas oils (gallons) [5]	7,536,758	279,299	[4]	[4]	2,792,706	508,914	458,052
Gasoline and kerosene (gallons) [5]	408,592	71,163	[4]	[4]	203,700		
Gas, natural (M cubic feet)	25,446	14,621	[4]	[4]	4,395	3,536	11,292
Gas, manufactured (M cubic feet)	9,303	10,024	[4]	[4]			
Other fuels		285,844	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	69,812,404	1,226,779	[4]	[4]	[4]	[4]	[4]
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 4,011,672	$3,367,802	[6]	$2,995,245	$1,391,284	$1,271,788

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other Industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	1,911	[3] 4,182	52,086	196,263	56,317	[3] $9,219,836	$42,207,557	$109,653,357	$3,938,940	$220,917,692	$107,325,395
Beverages	94	143	539	74	1,242	348,046	480,701	1,912,674	73,616	4,883,537	2,897,247
Boxes, wooden, except cigar boxes	11	30	560	865	795	71,626	334,409	815,090	13,526	1,767,092	938,476
Bread and other bakery products	68	58	610	70	1,569	97,512	611,262	1,734,610	89,549	3,460,603	1,636,444
Brooms	3	1	16	22	9	(4)	15,510	37,531	629	77,401	39,241
Butter	15	33	84	85	743	60,850	88,483	2,605,637	33,073	3,151,374	512,664
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	14	46	636	354	38	78,370	295,891	1,081,704	30,421	1,958,408	846,283
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	8	26	387	292	84	42,150	145,539	746,909	17,730	1,277,512	512,873
Car and general construction and repairs, electric-railroad repair shops	5	5	57	-------	68	7,624	80,971	10,825	620	100,078	88,633
Car and general construction and repairs, steam-railroad repair shops	17	182	2,217	762	6,096	462,652	3,354,206	1,889,284	146,767	5,874,451	3,838,400
Cheese	11	11	31	75	273	22,019	32,547	800,990	14,404	955,892	140,498
Clay products (other than pottery) and nonclay refractories	21	45	564	1,860	1,068	92,459	387,245	22,379	235,166	1,140,517	882,972
Clothing, women's, not elsewhere classified	7	18	244	-------	46	17,854	83,730	334,670	2,534	528,823	191,619
Coffee and spice, roasting and grinding	12	22	37	-------	141	50,837	34,695	666,498	7,736	942,403	268,169
Concrete products	10	17	90	8	142	34,057	83,849	163,465	3,012	383,584	217,107
Condensed and evaporated milk	6	26	93	1,607	928	47,129	119,143	2,252,171	44,454	3,076,166	779,541
Confectionery	9	22	114	27	79	54,269	119,651	306,366	8,377	625,770	311,027
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	8	14	79	-------	3	20,283	83,573	91,184	369	267,631	176,078
Cotton goods	10	69	2,342	5,010	2,991	169,733	1,329,312	3,557,733	218,672	6,593,947	2,817,542
Feeds, prepared, for animals and fowls	6	96	180	-------	1,750	213,686	150,505	5,618,344	43,546	6,515,557	853,667
Fertilizers	10	55	378	450	1,516	111,494	254,413	2,439,962	34,911	3,572,147	1,097,274
Flour and other grain-mill products	15	5	19	234	440	7,600	18,159	399,153	5,602	531,423	126,668
Foundry and machine-shop products, not elsewhere classified	27	78	304	182	900	195,195	402,155	257,100	27,049	1,193,624	909,475
Furniture, including store and office fixtures	6	33	368	343	483	88,118	269,136	581,453	19,511	1,196,064	595,100
Gas, manufactured, illuminating and heating	7	47	120	375	142	61,114	133,737	146,823	129,791	814,940	538,326
Ice cream	44	77	167	310	1,537	132,322	176,023	927,088	76,490	2,005,211	1,001,633
Ice, manufactured	122	163	1,034	11,790	4,216	318,854	755,145	260,489	442,713	3,305,784	2,602,582
Lumber and timber products, not elsewhere classified	916	1,445	30,747	115,172	6,849	3,302,618	24,747,763	27,489,385	629,021	84,047,845	55,929,439
Marble, granite, slate, and other stone products	5	11	52	20	341	20,320	56,517	260,939	6,689	499,905	232,277
Mattresses and bed springs, not elsewhere classified	5	8	25	-------	122	17,854	25,952	88,819	1,988	164,509	73,702
Oil, cake, and meal, cottonseed	50	316	2,080	21,359	7,496	715,883	1,455,433	30,049,629	639,814	36,860,485	6,171,042
Patent or proprietary medicines and compounds	6	11	9	-------	21	18,286	6,290	27,661	723	82,237	53,853
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	116	223	1,630	9,005	2,315	439,768	1,227,821	6,706,302	45,055	10,278,886	3,527,529
Printing and publishing, book and job	34	73	221	6	417	139,147	326,383	366,114	18,029	1,169,464	785,321
Printing and publishing, newspaper and periodical	106	281	516	23	1,047	551,494	733,088	567,054	56,004	3,277,994	2,654,936
Ship and boat building, steel and wooden, including repair work	5	1	18	51	12	(4)	20,242	10,559	542	44,046	32,945
Signs and advertising novelties	5	8	21	-------	7	13,192	28,905	22,958	342	87,327	64,027
Turpentine and rosin	23	74	1,360	55	1	124,914	548,474	316,307	10,762	1,557,660	1,230,591
Wood distillation and charcoal manufacture	5	56	449	2,276	115	149,984	449,211	972,394	52,953	2,433,713	1,408,366
Wood preserving	8	136	1,203	1,619	2,008	386,267	1,067,303	8,242,883	249,136	12,268,786	3,776,767
Wood turned and shaped and other wooden goods, not elsewhere classified	9	20	141	485	95	47,902	106,237	154,670	750	374,435	219,015
Other industries	52	197	2,342	21,397	8,172	486,354	1,564,948	4,717,551	506,864	11,570,461	6,346,046

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 295 employees of central administrative offices, with salaries aggregating $756,227. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of an individual officer or employee: included in item for "Other Industries."

MISSOURI

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	5,765	202,879	717,978	218,290	499,688	$240,368,692	$1,139,658,082	$1,111,265,172	$28,392,910	$1,917,155,275	$777,497,193
1927	5,422	195,378	656,269	231,229	425,040	230,017,241	1,004,709,373	975,020,154	29,689,219	1,665,173,463	660,464,090
1925	5,114	194,959	590,485	247,556	342,929	230,690,902	980,459,091	(4)	(4)	1,607,161,018	626,701,927
1923	5,291	196,694	553,397	254,276	299,121	228,014,986	944,082,654	(4)	(4)	1,547,188,617	603,105,963
1921	5,442	156,384	(5)	(5)	(5)	182,896,538	728,179,087	(4)	(4)	1,162,006,299	433,827,212
1919	8,592	195,037	476,648	295,092	181,556	196,515,353	1,056,457,164	1,029,812,810	26,644,354	1,594,208,338	537,751,174
1914	8,386	152,182	389,376	305,014	84,362	89,197,477	388,714,859	376,546,681	12,168,178	637,952,128	249,237,269
1909	8,375	152,993	339,447	295,391	44,056	80,842,776	354,411,151	344,622,065	9,789,086	574,111,070	219,699,919
1904	6,464	133,167	246,531	232,566	13,965	66,644,126	252,258,417	245,572,504	6,685,913	439,548,957	187,290,540
1899	6,853	107,704	185,818	180,194	5,624	46,713,734	184,189,030	(6)	(6)	316,304,095	132,115,065
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	6.3	3.8	9.4	−5.6	17.6	4.5	13.4	14.0	−4.4	15.1	17.7
1925–1927	6.0	0.2	11.1	−6.6	23.9	−0.3	2.5			3.6	5.4
1923–1925	−3.3	−0.9	6.7	−2.6	14.6	1.2	3.9			3.9	3.9
1921–1923	−2.8	25.8				24.7	29.6			33.1	39.0
1919–1921	−36.7	−19.8				−6.9	−31.1			−27.1	−19.3
1919–1929	−32.9	4.0	50.6	−26.0	175.2	22.3	7.9	7.9	6.6	20.3	44.6
1909–1919	2.6	27.5	40.4	−0.1	312.1	143.1	198.1	198.8	172.2	177.7	144.8
1899–1909	22.2	42.0	82.7	63.9	683.4	73.1	92.4			81.5	66.3

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State[3]	3,629,367	5,765	202,879	717,978	$248,368,692	$1,139,658,082	$1,111,265,172	$28,392,910	$1,917,155,275	$777,497,193
Industrial Areas										
St. Louis Area,[4] total	1,335,158	3,287	154,321	624,756	198,007,887	918,872,403	890,700,208	28,172,195	1,541,953,654	623,081,251
Portion in Missouri	1,033,553	2,807	114,871	335,284	142,487,015	603,355,172	588,628,438	14,726,734	1,068,155,687	464,800,515
Portion in Illinois	301,605	480	39,450	289,472	55,520,872	315,517,231	302,071,770	13,445,461	473,797,967	158,280,736
Kansas City Area,[5] total	638,476	1,169	48,332	214,781	63,705,471	511,338,467	503,267,055	8,071,412	741,237,997	229,899,530
Portion in Missouri	497,265	999	34,297	139,862	44,279,811	252,654,461	247,286,574	5,367,887	424,364,392	171,709,931
Portion in Kansas	141,211	170	14,035	74,919	19,425,660	258,684,006	255,980,481	2,703,525	316,873,605	58,189,599
Counties in Missouri[6]										
Atchison	13,421	5	11	254	11,263	15,665	12,876	2,789	66,421	50,756
Audrain	22,077	28	1,905	7,432	1,811,067	2,934,517	2,225,753	708,764	7,074,351	4,139,834
Barry	22,303	42	264	2,726	157,530	523,676	506,536	17,140	908,103	384,427
Barton	14,590	14	105	831	99,486	306,002	272,368	33,634	547,706	241,704
Bates	22,038	14	53	456	62,614	359,895	348,502	11,393	524,066	164,171
Benton	11,708	8	17	186	11,942	38,217	37,642	575	70,221	32,004
Bollinger	12,239	12	110	442	74,714	91,699	88,649	3,050	217,077	125,378
Boone	30,995	27	615	2,608	618,317	1,573,301	1,469,216	104,085	3,067,976	1,494,675
Buchanan	98,633	144	7,499	39,772	8,968,251	109,197,783	107,944,625	1,253,158	136,695,999	27,498,216
Butler	23,697	23	628	1,790	521,785	1,130,698	1,102,980	27,718	2,433,401	1,302,703
Caldwell	12,509	6	14	145	13,319	55,598	54,316	1,282	100,918	45,320
Callaway	19,923	12	431	974	284,543	689,477	634,214	55,263	1,345,586	656,109
Cape Girardeau	33,203	43	2,160	15,164	2,228,896	9,441,665	9,076,310	365,355	16,061,765	6,620,100
Carroll	19,940	14	32	330	33,701	150,366	139,694	10,672	257,614	107,248
Carter	5,503	8	175	350	131,627	52,865	46,865	6,000	217,974	165,109
Cass	20,962	19	241	876	259,900	630,242	592,754	37,488	1,373,450	743,208
Cedar	11,136	7	12	182	10,701	50,874	47,388	3,486	101,936	51,062
Chariton	19,588	11	35	284	41,005	120,291	110,943	9,348	235,182	114,891
Christian	13,169	16	66	391	34,456	580,730	574,737	5,993	695,415	114,685
Clark	10,254	5	55	298	41,770	179,873	174,538	5,335	308,626	128,753
Clay[5]	26,811	52	2,261	16,654	2,757,386	26,425,877	25,773,901	651,976	41,780,383	15,354,506
Clinton	13,505	15	100	352	80,899	318,887	307,405	11,482	519,887	201,000
Cole	30,848	31	1,536	2,297	1,379,673	4,128,549	4,022,490	106,059	9,318,324	5,189,775
Cooper	19,522	15	382	1,009	272,977	1,114,370	1,082,137	32,233	1,842,277	727,907
Crawford	11,287	5	3	144	3,300	49,364	48,521	843	71,737	22,373
Dade	11,764	7	13	118	7,108	26,681	25,541	1,140	49,141	22,460
Dallas	10,541	7	14	86	9,345	73,283	72,515	768	111,093	37,815
Daviess	14,424	11	35	178	34,688	406,344	399,308	7,036	540,408	134,064
Dent	10,974	31	267	779	134,518	420,831	416,061	4,770	702,617	281,786
Douglas	13,959	10	44	259	34,309	65,130	64,010	1,120	146,629	81,499
Dunklin	35,799	18	515	1,149	314,301	730,915	709,879	21,036	1,363,308	632,393
Franklin	30,519	43	2,530	3,523	1,969,789	11,634,289	11,547,005	87,284	17,970,881	6,336,592
Gasconade	12,172	18	733	1,535	532,068	2,321,029	2,295,775	25,254	3,765,992	1,444,963
Gentry	14,348	11	68	184	89,996	103,570	95,667	7,903	245,600	142,030
Greene	82,929	105	3,726	18,541	4,468,073	18,322,432	17,717,835	604,597	28,825,030	10,502,598
Grundy	16,135	12	328	536	491,903	1,012,583	962,366	50,217	1,688,465	675,882
Harrison	17,233	9	17	155	19,019	36,969	32,431	4,538	94,863	57,894
Henry	22,931	21	443	2,150	364,731	2,137,167	1,978,512	158,655	2,916,787	779,620
Hickory	6,430	5	6	154	4,763	57,495	56,475	1,020	77,691	20,196
Holt	12,720	6	22	73	21,144	16,430	15,479	951	74,753	58,323
Howard	13,490	9	131	1,057	209,567	103,369	78,398	24,971	357,249	253,880
Howell	19,672	27	114	634	78,916	457,800	446,984	10,816	821,555	363,755
Iron	9,642	13	40	294	22,350	39,248	39,113	135	114,975	75,727
Jackson[5]	470,454	947	32,036	123,208	41,521,925	226,228,584	221,512,673	4,715,911	382,584,009	156,355,425
Jasper	73,810	137	3,741	15,289	3,435,724	20,961,286	20,325,862	635,424	34,032,168	13,070,882
Jefferson	27,563	21	2,395	35,027	2,814,630	12,326,398	11,328,444	997,864	18,448,248	6,121,940
Johnson	22,413	17	176	795	137,634	1,416,986	1,377,953	39,033	1,805,950	388,964
Knox	9,658	5	29	193	26,870	85,931	84,005	1,926	163,742	77,811
Laclede	16,320	15	266	255	129,978	653,917	644,164	9,753	900,032	246,115
Lafayette	29,259	24	452	1,446	383,595	1,877,558	1,836,592	40,966	2,935,806	1,058,248
Lawrence	23,774	27	399	1,484	281,902	2,840,258	2,795,568	44,690	4,547,876	1,707,618
Lewis	12,093	11	314	2,719	285,010	501,608	492,939	8,669	893,165	391,557
Lincoln	13,929	14	58	422	45,840	184,958	175,337	9,621	382,066	197,108
Linn	23,339	15	527	1,022	501,659	1,378,654	1,337,331	41,323	2,279,187	900,533
Livingston	18,615	24	324	1,611	279,649	1,789,502	1,701,842	87,660	2,605,046	815,544
McDonald	13,936	9	95	402	28,215	132,697	129,574	3,123	217,275	84,578
Macon	23,070	9	53	271	54,196	362,289	351,151	11,138	535,864	173,575
Madison	9,418	8	291	585	226,635	117,995	106,717	11,278	464,753	346,758
Marion	33,493	43	3,886	7,180	3,930,467	11,152,105	10,850,952	301,153	21,264,936	10,112,831
Mercer	9,350	4	10	57	6,933	5,397	4,992	405	34,325	28,928
Miller	16,728	10	214	265	171,462	445,320	428,281	17,039	723,887	278,567
Mississippi	15,762	9	91	573	69,134	114,640	108,920	5,720	312,543	197,903
Moniteau	12,173	11	215	826	193,150	966,463	935,411	31,052	1,413,400	446,937
Monroe	13,466	9	96	270	105,090	601,052	590,227	10,825	891,795	290,743
Montgomery	13,011	10	202	745	196,765	598,962	498,430	100,532	981,894	382,932

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties in Missouri[6]—Continued										
Morgan	10,968	9	126	372	$63,049	$226,707	$220,090	$6,617	$468,748	$242,041
New Madrid	30,262	15	447	1,323	425,695	886,189	878,061	8,128	1,684,336	798,147
Newton	26,959	26	331	1,512	250,419	2,842,404	2,798,383	44,021	3,967,149	1,124,745
Nodaway	26,371	19	114	266	120,478	411,490	397,424	14,066	719,976	308,486
Oregon	12,220	23	303	1,006	227,435	240,379	226,691	13,688	607,040	366,661
Osage	12,462	5	12	246	12,564	220,808	217,446	3,362	264,504	43,696
Ozark	9,537	8	74	450	46,316	44,379	43,379	1,000	139,285	94,906
Pemiscot	37,284	19	283	1,480	168,708	417,860	406,315	11,545	788,496	370,636
Pettis	34,664	33	2,325	6,421	3,103,134	4,669,625	4,514,028	155,597	9,238,841	4,569,216
Phelps	15,308	11	58	368	36,058	109,079	100,779	8,300	207,938	98,859
Pike	18,001	14	202	1,009	223,577	847,626	788,770	58,856	1,677,512	829,886
Platte	13,819	8	21	300	25,909	257,634	247,404	10,230	428,553	170,919
Polk	17,803	18	42	397	31,212	200,383	193,706	6,677	312,074	111,691
Pulaski	10,755	5	15	134	8,787	27,288	26,425	863	56,457	29,169
Putnam	11,503	5	13	123	8,197	17,267	16,173	1,094	57,076	39,809
Randolph	26,431	22	1,033	3,644	915,098	5,917,839	5,845,869	71,970	8,708,878	2,791,039
Ray	19,846	10	27	196	28,475	71,207	63,826	7,381	160,586	89,379
Reynolds	8,923	13	259	612	191,928	143,941	137,010	6,931	409,535	265,594
Ripley	11,176	15	79	498	47,029	74,808	71,017	3,851	190,733	115,865
St. Charles	24,354	21	1,588	3,412	1,814,127	6,367,037	6,242,153	124,884	10,424,708	4,057,671
St. Clair	13,289	7	48	596	38,847	50,910	33,924	16,986	116,495	65,585
St. Francois	35,832	26	281	1,497	250,561	604,490	547,687	56,803	1,119,700	515,210
St. Louis[4]	211,593	99	5,861	42,273	7,666,201	19,774,523	17,577,435	2,197,088	45,442,197	25,667,674
Ste. Genevieve	10,097	14	429	2,322	517,402	1,254,777	942,262	312,515	2,194,179	939,402
Saline	30,598	27	1,449	2,052	1,517,736	9,402,383	9,310,116	92,267	12,716,308	3,313,925
Scotland	8,853	3	12	18	8,899	14,012	12,441	1,571	36,760	22,748
Scott	24,913	25	1,090	2,113	995,253	5,654,116	5,572,966	81,150	7,742,844	2,088,728
Shannon	10,894	18	308	971	213,714	224,993	218,077	6,516	634,452	409,859
Shelby	11,983	8	22	319	25,872	34,198	29,590	4,608	95,368	61,170
Stoddard	27,452	20	327	994	192,165	791,830	776,563	15,267	1,180,992	389,162
Stone	11,614	23	213	402	93,098	386,568	381,915	4,653	665,725	279,157
Taney	8,867	4	24	132	7,594	20,421	20,158	263	45,611	25,190
Texas	18,580	20	97	769	74,989	473,685	463,904	9,781	695,715	222,030
Vernon	25,031	13	270	905	402,160	722,699	699,312	23,387	1,358,256	635,557
Warren	8,082	9	112	178	68,456	209,325	201,909	7,416	355,583	146,258
Washington	14,450	11	167	622	129,195	132,480	126,334	6,146	328,667	196,187
Wayne	12,243	16	54	479	45,167	107,446	106,118	1,328	228,390	120,944
Webster	16,148	24	111	527	52,718	906,416	899,181	7,235	1,129,439	223,023
Wright	16,741	19	44	424	24,261	187,805	184,334	3,471	289,033	101,228
All other counties[7]	113,794	54	1,972	21,628	1,910,341	8,262,230	7,408,915	853,315	13,522,242	5,260,012
Cities in Missouri having 10,000 inhabitants or more[8]										
Cape Girardeau	16,227	27	2,004	13,844	2,109,324	8,673,020	8,340,524	332,496	14,877,140	6,204,120
Hannibal	22,761	37	3,807	6,910	3,877,602	11,055,513	10,760,708	294,805	21,033,978	9,978,465
Independence	15,296	22	795	3,574	1,062,790	5,576,746	5,461,658	115,088	9,870,694	4,293,948
Jefferson City	21,596	28	1,527	2,227	1,367,823	4,113,684	4,008,090	105,594	9,283,149	5,169,465
Joplin	33,454	77	1,682	6,497	1,686,082	11,282,104	10,930,584	351,520	17,235,504	5,953,400
Kansas City[9]	399,746	903	29,902	100,558	38,400,037	196,009,766	192,070,483	3,939,283	341,371,583	145,361,817
St. Louis[4]	821,960	2,708	109,010	293,011	134,880,814	583,580,649	571,051,003	12,529,646	1,022,713,490	439,132,841
Springfield	57,527	90	3,470	15,010	4,195,476	16,471,582	15,983,973	487,609	26,173,258	9,701,676

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] The State items are equivalent to the sums of the county items and those for the city of St. Louis, which is not included in any county.

[4] The St. Louis Industrial Area comprises St. Louis County and the independent city of St. Louis. Mo., and Madison and St. Clair Counties, Ill. For statistics by industries for the area and for St. Louis city, see Table 13.

[5] The Kansas City Industrial Area comprises Jackson and Clay Counties, Mo., and Wyandotte County, Kans. For statistics by industries for the area, see Table 13.

[6] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. In the cases of Crawford and Hickory Counties, in which fewer than 10 wage earners were employed, statistics are here presented in order that comparison may be made with the corresponding figures for 1927 (published in mimeographed form).

[7] Adair, Andrew, Camden, De Kalb, Maries, Perry, Ralls, Schuyler, Sullivan, and Wortb Counties. (See footnote 6.)

[8] Not including Columbia, Maplewood, Moberly, St. Charles, St. Joseph, Sedalia, University City, and Webster Groves, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments located either in the cities or outside the cities but within the counties in which the cities are situated.

[9] Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	243,778	179,183	64,595	3,176	2,984	192	[2] 4,986	[2] 4,689	[2] 297	[2] 32,737	[2] 22,359	[2] 10,378	202,879	[3] 149,151	[3] 53,728
1919 [1, 4]	244,939	186,828	58,111	7,676	7,428	248	4,282	4,083	199	37,944	27,682	10,262	195,037	147,635	47,402
1914 [4]	188,266	150,451	37,815	7,698	7,426	272	3,328	3,209	119	25,058	20,188	4,870	152,182	119,628	32,554
1909	185,705	150,750	34,955	8,226	7,989	237	3,010	2,924	86	21,476	17,571	3,905	152,993	122,266	30,727

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 531; male, 522; female, 9. Other salaried officers and employees—total, 7,318; male, 5,128; female, 2,190. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	202,879	*190,950*	196,682	200,382	202,248	201,765	204,218	206,579	211,869	**212,526**	210,323	201,391	195,615	89.8
1919 [1]	195,037	184,513	182,796	*182,239*	182,885	187,384	190,266	194,709	202,609	206,394	209,704	207,586	209,359	86.9
1914 [1]	152,182	151,293	151,799	155,240	**158,968**	155,556	156,296	156,263	155,366	154,431	152,048	141,558	*139,866*	88.8
1909 [1]	152,993	*141,268*	143,022	148,776	147,979	148,053	150,028	150,969	157,351	**163,514**	161,110	161,540	160,294	86.4

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	5,765	202,879	45 and over but under 48	370	18,140
			48	1,001	51,483
Not reported	618	1,941	Over 48 but under 54	842	52,171
Under 40	97	856	54	628	21,525
40	144	7,034	Over 54 but under 60	246	18,823
Over 40 but under 44	44	1,043	60 and over	608	9,261
44 and over but under 45	1,167	20,602			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	5,765	8,592	8,375	202,879	195,037	152,993	51 to 100	341	307	235	23,714	21,856	16,845
							101 to 250	257	224	190	41,157	35,394	29,048
No wage earners	198	1,396	1,123				251 to 500	99	100	78	34,557	34,044	26,584
1 to 5	2,720	4,454	4,736	7,610	9,385	10,334	501 to 1,000	42	44	24	28,937	30,549	16,961
6 to 20	1,459	1,426	1,447	16,167	15,901	15,953	1,001 to 2,500	19	18	13	[1] 30,502	27,518	20,294
21 to 50	629	623	529	20,215	20,390	16,974	2,501 and over	1					

[1] Combined to avoid disclosing the number of wage earners reported by an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	5,765	8,592	8,375	202,879	195,037	152,993	$1,917,155,275	$1,594,208,338	$574,111,070	$777,497,193	$537,751,174	$219,699,919
Less than $5,000	(2)	2,433	3,649	(2)	1,783	5,107	(2)	6,200,126	8,272,292	(2)	3,749,063	5,293,990
$5,000 to $19,999	2,140	2,791	2,505	5,500	7,311	10,999	22,870,460	29,517,745	25,001,039	13,852,800	15,750,004	14,249,566
$20,000 to $99,999	1,860	1,904	1,444	16,220	18,713	23,948	87,746,639	87,947,686	65,057,234	50,989,034	42,978,314	32,157,387
$20,000 to $49,999	1,131	(3)	(3)	6,865	(3)	(3)	36,065,579	(3)	(3)	21,374,097	(3)	(3)
$50,000 to $99,999	729	(3)	(3)	9,355	(3)	(3)	51,681,060	(3)	(3)	29,614,937	(3)	(3)
$100,000 to $499,999	1,187	942	683	45,239	38,395	64,791	273,699,584	210,689,301	204,184,575	139,024,018	94,731,089	84,656,92
$100,000 to $249,999	762	(3)		20,252	(3)		122,009,063	(3)		65,191,063	(3)	
$250,000 to $499,999	425	(3)		24,987	(3)		151,690,521	(3)		73,832,955	(3)	
$500,000 to $999,999	264	238		26,781	27,059		183,751,066	166,777,675		88,660,610	68,276,088	
$1,000,000 and over	314	284	94	109,139	101,776	48,148	1,349,087,526	1,093,075,805	271,595,930	484,970,731	312,260,616	83,342,049
$1,000,000 to $2,499,999	198	(3)	(3)	43,833	(3)	(3)	302,881,232	(3)	(3)	134,731,900	(3)	(3)
$2,500,000 to $4,999,999	63	(3)	(3)	23,725	(3)	(3)	214,665,017	(3)	(3)	88,618,260	(3)	(3)
$5,000,000 and over	53	(3)	(3)	41,581	(3)	(3)	831,541,277	(3)	(3)	261,620,571	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	5,765	8,592	202,879	195,037	$1,917,155,275	$1,594,208,338	$777,497,193	$537,751,174
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	3,062	2,802	188,198	174,296	1,827,697,399	1,480,883,324	732,775,093	487,843,789
Other forms of ownership or control (individual, partnership, etc.)	2,703	5,790	14,681	20,741	89,457,876	113,325,014	44,722,100	49,907,385
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	733	(1)	102,038	(1)	1,083,521,063	(1)	312,827,613	(1)
Independent (single-unit)	5,032	(1)	100,841	(1)	833,634,212	(1)	464,669,580	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS, IMPORTANT COUNTIES, AND THE CITY OF ST. LOUIS, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers									Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	717,978	218,290	1,507	158,592	140	43,089	285	14,880	60	1,729	60,328	499,688	11,632	119,178
1927	656,269	231,229	1,418	174,138	131	42,769	321	13,543	23	779	48,021	425,040	13,809	125,490
1925	590,485	247,556	1,609	194,208	109	33,965	357	18,397	38	986	40,300	342,929	12,826	144,113
1919 [1]	476,648	295,092	2,762	244,096	111	25,561	1,228	22,049	98	3,386	23,502	181,556	9,579	106,016
1914 [1]	389,376	305,014	[2] 3,428	[2] 283,490	[3]	[3]	1,273	18,321	123	3,203	11,373	84,362	7,578	97,619
Industrial Areas														
St. Louis Area, total	624,756	259,343	784	145,214	204	105,561	86	7,506	43	1,062	44,254	365,413	10,856	212,991
Portion in Missouri (St. Louis County and independent city of St. Louis)	335,284	95,092	447	72,480	61	15,825	45	5,725	43	1,062	34,684	240,192	5,217	59,387
Portion in Illinois (Madison and St. Clair Counties)	289,472	164,251	337	72,734	143	89,736	41	1,781	------	------	9,570	125,221	5,639	153,604
Kansas City Area, total	214,781	56,683	226	39,307	50	15,620	41	1,756	------	------	15,063	158,098	3,993	33,90a
Portion in Missouri (Jackson and Clay Counties)	139,862	31,993	151	22,262	30	8,640	28	1,091	------	------	11,547	107,869	2,888	20,071
Portion in Kansas (Wyandotte County)	74,919	24,690	75	17,045	20	6,980	13	665	------	------	3,516	50,229	1,105	13,833
Counties and independent city in which aggregate horsepower exceeded 25,000: 1929														
Buchanan County	39,772	11,591	87	8,389	21	2,416	9	786	------	------	2,873	28,181	265	1,701
Jackson County	123,208	25,970	144	16,364	30	8,640	26	966	------	------	10,557	97,238	2,146	12,944
Jefferson County	35,027	3,995	9	[4] 2,885	2	1,050	1	[4]	2	60	806	31,032	24	361
St. Louis County	42,273	5,623	18	4,149	8	1,447	2	27	------	------	2,343	36,650	370	3,989
St. Louis city	293,011	89,469	429	68,331	53	14,378	43	5,698	43	1,062	32,341	203,542	4,847	55,398

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES, AND FOR ST. LOUIS CITY: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 6 and 7 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	717,978	218,290	499,688	119,178	Cole	2,297	240	2,057	----------
					Cooper	1,009	620	389	254
Atchison	254	100	154	----------	Crawford	144	[2] 144	[3]	----------
Audrain	7,432	2,135	5,297	336					
Barry	2,726	2,007	719	----------	Dade	118	78	40	----------
Barton	831	255	576	----------	Dallas	86	37	49	----------
Bates	456	334	122	----------	Daviess	178	52	126	----------
					Dent	779	739	40	----------
Benton	186	118	68	----------	Douglas	259	225	34	----------
Bollinger	442	442	------	----------					
Boone	2,608	315	2,293	240	Dunklin	1,149	770	379	90
Buchanan	39,772	11,591	28,181	1,701	Franklin	3,523	1,962	1,561	606
Butler	1,790	885	905	----------	Gasconade	1,535	1,272	263	335
					Gentry	184	52	132	----------
Caldwell	145	92	53	----------	Greene	18,541	5,460	13,081	4,069
Callaway	974	565	409	----------					
Cape Girardeau	15,164	13,901	1,263	14,011	Grundy	536	----------	536	----------
Carroll	330	75	255	----------	Harrison	155	12	143	----------
Carter	350	350	------	----------	Henry	2,150	1,702	448	141
					Hickory	154	52	102	----------
Cass	876	150	726	----------	Holt	73	----------	73	----------
Cedar	182	80	102	----------					
Chariton	284	175	109	----------	Howard	1,057	776	281	----------
Christian	391	311	80	----------	Howell	634	273	361	----------
Clark	298	285	13	----------	Iron	294	275	19	----------
					Jackson	123,208	25,970	97,238	12,944
Clay	16,654	6,023	10,631	7,127	Jasper	15,289	2,755	12,534	1,121
Clinton	352	58	294	1	Jefferson	35,027	3,995	31,032	361

See footnotes at end of table.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES, AND FOR ST. LOUIS CITY: 1929—Continued

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 6 and 7 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
Johnson	795	515	280	----------
Knox	193	120	73	----------
Laclede	255	149	106	----------
Lafayette	1,446	329	1,117	25
Lawrence	1,484	838	646	120
Lewis	2,719	170	2,549	----------
Lincoln	422	206	216	3
Linn	1,022	425	597	265
Livingston	1,611	450	1,161	80
McDonald	402	345	57	----------
Macon	271	129	142	----------
Madison	585	570	15	----------
Marion	7,180	2,625	4,555	2,596
Mercer	57	47	10	----------
Miller	265	133	132	----------
Mississippi	573	470	103	----------
Moniteau	826	75	751	[3]
Monroe	270	92	178	----------
Montgomery	745	665	80	----------
Morgan	372	275	97	----------
New Madrid	1,323	1,295	28	38
Newton	1,512	822	690	264
Nodaway	266	30	236	----------
Oregon	1,006	793	213	----------
Osage	246	246	----------	----------
Ozark	450	410	40	----------
Pemiscot	1,480	899	581	----------
Pettis	6,421	4,157	2,264	6,087
Phelps	368	215	153	----------
Pike	1,009	636	373	516
Platte	300	115	185	----------
Polk	397	132	265	----------
Pulaski	134	119	15	----------
Putnam	123	115	8	----------
Randolph	3,644	1,258	2,386	354
Ray	196	112	84	----------
Reynolds	612	610	2	----------
Ripley	498	236	262	----------
St. Charles	3,412	2,699	713	4,069
St. Clair	596	230	366	----------
St. Francois	1,497	630	867	----------
St. Louis	42,273	5,623	36,650	3,989
Ste. Genevieve	2,322	1,135	1,187	400
Saline	2,052	523	1,529	250
Scotland	18	----------	18	----------
Scott	2,113	1,403	710	575
Shannon	971	965	6	----------
Shelby	319	150	169	----------
Stoddard	994	874	120	140
Stone	402	344	58	----------
Taney	132	125	7	----------
Texas	769	590	179	----------
Vernon	905	604	301	----------
Warren	158	77	81	----------
Washington	622	572	50	----------
Wayne	479	389	90	----------
Webster	527	414	113	----------
Wright	424	332	92	----------
All other counties	21,628	2,606	19,022	[2] 672
St. Louis city (independent, not included in any county)	293,011	89,469	203,542	55,398

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Item for electric motors included with that for prime movers to avoid disclosing data for a single establishment.
[3] Item for Moniteau County included with that for "All other counties" to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	3,322,325	$10,971,282	3,537,194	4,222,137	4,133,992	3,594,600	2,940,345
Anthracite (tons, 2,240 pounds)	71,131	279,800	[3]	61,582	14,652	15,100	19,631
Bituminous (tons, 2,000 pounds)	3,242,658	10,691,482	[3]	4,153,165	4,117,582	3,577,688	2,918,358
Coke (tons, 2,000 pounds)	156,925	1,226,487	[4]	[4]	194,758	222,717	167,965
Fuel oils, including crude oils and gas oils (gallons) [5]	100,860,512	3,429,945	[4]	[4]	77,278,656	56,566,776	43,362,606
Gasoline and kerosene (gallons) [5]	1,109,107	168,503	[4]	[4]	1,315,524		
Gas, natural (M cubic feet)	6,780,284	1,404,703	[4]	[4]	1,658,684	1,073,686	2,766,006
Gas, manufactured (M cubic feet)	3,737,336	1,662,770	[4]	[4]			
Other fuels	----------	337,950	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	679,869,818	10,881,108	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy	----------	[7] 30,082,748	*Cost* $29,689,219	*Cost* [8]	*Cost* $26,644,354	*Cost* $12,168,178	*Cost* $9,789,086

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2 and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [1]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	5,765	[2] 37,723	202,879	218,290	499,688	[2] 91,909,198	240,368,692	1,111,265,172	28,392,910	1,917,155,275	777,497,193
Aircraft and parts	6	91	496	-------	878	209,067	561,747	1,659,800	16,930	3,091,396	1,414,666
Aluminum manufactures	9	32	131	-------	290	93,076	181,362	525,268	17,469	1,096,718	553,981
Awnings, tents, sails, and canvas covers	32	120	414	-------	233	275,648	429,620	1,856,022	13,814	2,911,078	1,041,242
Bags, other than paper, not made in textile mills	15	261	1,408	1,040	996	838,325	1,377,086	18,240,218	41,208	21,586,361	3,304,935
Belting, leather	9	26	52	-------	137	104,057	73,648	400,973	5,307	667,366	261,086
Beverages	142	277	1,105	1,913	2,765	693,155	1,531,602	3,040,681	158,699	9,240,199	6,040,819
Blacking, stains, and dressings	13	40	79	3	355	80,413	106,160	441,083	11,833	1,375,022	922,106
Bookbinding and blank-book making	43	222	953	800	442	476,471	1,185,415	1,489,008	30,293	4,548,214	3,028,913
Boot and shoe cut stock, not made in boot and shoe factories	11	230	2,801	552	1,634	319,915	3,374,917	30,265,495	58,828	38,392,480	8,068,157
Boot and shoe findings, not made in boot and shoe factories	19	127	989	-------	847	241,469	1,001,359	1,655,848	38,576	3,741,460	2,047,036
Boots and shoes, other than rubber	61	2,348	24,903	10,342	7,424	3,796,014	23,264,664	81,137,876	426,060	133,918,578	52,354,642
Boxes, paper, not elsewhere classified	53	425	2,958	250	4,145	1,106,819	2,700,501	8,446,734	123,368	14,977,672	6,407,570
Boxes, wooden, except cigar boxes	24	132	1,337	3,050	4,130	348,160	1,186,466	2,407,110	49,568	4,855,466	2,398,788
Bread and other bakery products	711	706	7,650	2,960	12,269	1,657,476	9,741,689	25,762,395	1,083,507	59,233,709	32,387,807
Brooms	19	10	129	1	74	15,838	125,560	256,831	3,221	469,980	209,928
Brushes, other than ruhher	6	16	36	-------	24	20,592	41,582	148,767	1,992	281,481	130,722
Butter	83	408	990	1,283	6,252	845,264	1,219,265	32,503,368	288,465	39,323,118	6,531,285
Buttons	4	11	138	-------	143	25,620	107,222	71,494	5,205	248,763	172,064
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	121	113	1,254	2,057	899	287,348	658,916	4,430,707	45,675	6,926,715	2,450,333
Car and general construction and repairs, steam-railroad repair shops	61	848	10,660	14,469	13,383	2,013,275	15,646,782	14,970,470	845,834	33,478,409	17,662,105
Carriages, wagons, sleighs, and sleds	6	36	162	526	89	88,526	174,681	297,236	10,017	772,252	464,999
Cars, electric and steam railroad, not built in railroad repair shops	9	524	2,881	9,281	4,806	1,052,143	4,366,520	16,523,070	386,075	24,769,450	7,860,305
Cash registers and adding, calculating, and card-tabulating machines	4	17	56	-------	81	82,720	82,593	59,532	4,485	275,694	211,677
Caskets, coffins, burial cases, and other morticians' goods	22	93	542	781	1,198	322,082	613,940	1,769,616	27,104	3,674,342	1,877,622
Cement	5	527	1,764	11,918	44,403	855,570	2,532,490	2,785,789	2,500,577	12,967,854	7,681,488
Cheese	20	8	23	181	133	11,147	26,217	511,857	7,785	630,785	111,143
Chemicals, not elsewhere classified	10	458	761	958	3,664	1,055,176	1,142,631	7,314,288	256,277	12,370,445	4,799,880
Cigars and cigarettes	29	33	478	-------	17	65,884	349,021	517,796	3,582	1,381,030	859,652
Clay products (other than pottery) and nonclay refractories	46	531	4,856	9,241	12,180	1,446,944	5,433,482	2,841,606	2,054,588	15,611,389	10,715,195
Cleaning and polishing preparations	15	58	101	-------	194	175,031	120,993	574,125	8,037	1,781,217	1,199,055
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	72	608	4,957	745	1,108	1,609,151	4,682,726	12,283,985	118,466	22,820,598	10,418,147
Clothing, women's, not elsewhere classified	117	577	6,903	-------	963	1,765,853	6,076,882	17,409,372	107,193	30,660,409	13,143,844
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	23	297	3,209	-------	1,021	695,602	2,422,172	7,604,807	57,921	13,287,490	5,624,762
Coffee and spice, roasting and grinding	42	282	640	185	3,681	788,437	721,877	22,331,295	126,920	28,838,315	6,380,100
Compressed and liquefied gases	11	144	428	369	2,538	253,769	185,120	446,817	103,938	1,936,367	1,385,612
Concrete products	37	124	553	525	2,035	372,151	789,903	2,187,842	53,736	4,893,010	2,651,432
Condensed and evaporated milk	12	41	138	515	561	67,964	144,030	2,948,890	59,477	4,616,886	1,608,519
Confectionery	60	505	2,847	2,635	3,397	951,912	2,547,165	8,077,881	263,683	16,119,566	7,778,002
Cooperage	16	63	532	1,040	275	192,122	618,504	1,647,129	27,519	2,861,047	1,186,399
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	78	217	722	150	1,301	650,353	1,054,507	2,292,668	34,893	5,150,961	2,823,400
Cutlery (not including silver and plated cutlery) and edge tools	10	64	351	-------	979	179,692	498,407	358,973	37,662	1,804,283	1,407,648
Dental goods and equipment	5	8	15	-------	23	20,897	22,315	212,305	1,492	300,176	86,379
Doors, shutters, and window sash and frames, metal	7	72	243	-------	531	177,819	367,234	588,205	11,176	1,431,214	831,833
Druggists' preparations	29	206	497	208	439	572,873	534,269	2,135,522	34,477	5,171,612	3,001,613
Dyeing and finishing textiles	6	60	385	500	304	160,656	327,344	792,144	49,488	2,069,623	1,227,991
Electrical machinery, apparatus, and supplies	65	1,604	7,225	1,000	16,120	4,571,480	8,483,557	19,596,682	442,100	52,936,797	32,898,015
Electroplating	18	34	158	-------	742	84,542	238,749	70,525	27,389	984,783	496,269
Embroideries	8	6	117	-------	65	24,800	82,675	66,501	2,839	288,276	218,936
Engines, turbines, tractors, and water wheels	5	182	602	2,020	441	588,666	939,196	785,797	79,995	3,307,349	2,441,557
Engraving, steel and copperplate, and plate printing	16	134	476	-------	162	217,878	401,212	530,259	10,466	2,153,249	1,612,524
Engraving, wood	5	5	18	-------	4	7,160	27,194	13,867	233	84,687	70,587
Envelopes	12	143	528	225	430	403,265	537,132	1,322,952	27,306	3,154,242	1,803,984
Explosives	4	60	456	1,135	2,264	160,830	628,339	3,111,659	139,981	7,055,493	3,803,853
Fancy and miscellaneous articles, not elsewhere classified	10	26	158	-------	75	69,697	122,964	191,929	4,927	543,386	346,530
Feeds, prepared, for animals and fowls	28	285	798	686	13,304	671,010	1,073,710	25,738,509	385,077	36,546,673	10,422,787
Flavoring extracts and flavoring sirups	25	215	214	4,863	1,115	610,276	247,283	2,143,403	424,465	6,881,382	4,313,514
Flour and other grain-mill products	197	742	2,181	16,213	27,591	1,627,808	2,734,562	73,516,803	1,031,044	89,472,946	14,925,099
Food preparations, not elsewhere classified	36	71	202	58	1,431	170,052	227,644	2,065,298	44,403	3,299,029	1,189,328
Foundry and machine-shop products, not elsewhere classified	251	2,070	8,607	2,477	29,682	5,552,724	12,435,996	20,005,798	1,013,761	53,028,519	32,008,960
Fur goods	17	57	225	-------	94	177,601	270,832	991,634	8,485	1,748,344	748,225
Furnishing goods, men's, not elsewhere classified	21	126	1,065	-------	265	389,455	790,064	3,033,215	24,769	5,149,034	2,091,050
Furniture, including store and office fixtures	98	552	3,117	1,637	7,588	1,568,170	4,134,838	7,055,028	210,088	16,179,054	8,913,938
Gas and electric fixtures; lamps, lanterns, and reflectors	13	178	487	-------	570	560,716	735,018	982,391	37,743	3,162,206	2,142,072
Gas, manufactured, illuminating and heating	22	945	1,573	9,643	3,719	1,530,891	2,097,756	1,761,363	3,353,759	14,240,360	9,125,238
Glass products (except mirrors) made from purchased glass	15	31	90	-------	47	68,442	148,820	147,086	6,446	502,486	348,954
Glue and gelatin	4	15	72	35	421	40,953	86,803	359,045	30,706	639,646	249,895
Hand stamps and stencils and brands	14	34	76	-------	107	89,029	106,833	82,029	5,788	407,843	320,026
Hardware not elsewhere classified	9	65	456	-------	971	225,195	504,070	752,288	25,036	1,833,179	1,075,855
Hats and caps, except felt and straw, men's	31	84	628	-------	114	201,221	628,046	1,950,657	17,090	3,389,936	1,622,189

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Hats, fur-felt	4	23	283		97	90,577	270,366	1,612,705	13,598	2,254,449	728,146
Hats, straw, men's	7	109	541		163	302,347	583,805	1,613,426	14,415	3,813,426	2,185,585
House-furnishing goods, not elsewhere classified	25	69	364		419	174,713	276,405	1,646,038	13,418	2,688,810	1,029,354
Ice cream	74	248	621	295	4,408	637,922	991,044	3,951,756	205,141	8,873,768	4,716,871
Ice, manufactured	137	280	1,150	14,110	27,131	622,267	1,562,814	488,873	1,019,294	8,247,253	6,739,086
Ink, printing	8	34	63	15	389	115,155	75,400	423,257	14,871	962,257	524,129
Ink, writing	3	11	13		2	39,469	18,615	82,254	443	190,826	108,129
Instruments, professional and scientific	7	36	204		301	91,575	274,439	231,742	16,753	1,087,031	838,536
Iron and steel: Steel works and rolling mills	7	438	3,406	5,490	39,632	1,306,273	5,149,556	8,331,688	1,869,844	20,769,646	10,568,114
Jewelry	27	122	391		134	238,882	537,148	610,042	6,212	1,826,420	1,210,166
Labels and tags	9	57	234		421	219,634	284,890	630,592	10,815	1,283,445	642,038
Leather goods, not elsewhere classified	7	41	345		100	120,857	296,371	473,446	6,827	1,971,597	1,491,324
Lime	14	65	621	1,210	3,376	133,998	700,196	689,993	492,336	2,587,519	1,405,190
Lithographing	16	117	312		572	420,978	544,395	1,000,320	16,966	2,544,489	1,527,203
Lubricating oils and greases, not made in petroleum refineries	7	40	104	35	318	150,655	147,567	981,696	13,270	1,858,802	863,836
Lumber and timber products, not elsewhere classified	230	169	3,454	10,727	592	447,111	2,726,942	3,738,703	79,125	8,872,949	5,055,121
Macaroni, spaghetti, vermicelli, and noodles	10	42	273		797	133,966	245,200	1,458,230	35,770	2,224,577	730,577
Machine-tool accessories and small metal-working tools, not elsewhere classified	13	49	164		314	95,588	281,290	127,687	15,500	793,867	650,680
Marble, granite, slate, and other stone products	50	139	819	717	7,151	380,434	1,173,212	1,153,647	123,318	4,185,666	2,908,701
Mattresses and bed springs, not elsewhere classified	25	59	304	10	853	138,647	336,789	1,228,033	22,899	2,134,558	883,626
Meat packing, wholesale	49	1,242	5,614	21,159	13,241	3,035,575	7,594,542	157,897,567	957,005	180,939,544	22,084,972
Millinery	45	310	2,042	66	417	882,516	1,799,322	4,870,237	50,911	9,622,148	4,701,000
Mirror and picture frames	5	13	36		38	32,618	47,323	56,792	2,153	191,277	132,332
Mirrors, framed and unframed	10	16	83		216	33,407	120,970	339,178	9,467	650,762	302,117
Models and patterns, not including paper patterns	24	72	194		281	202,227	314,164	119,429	10,319	913,721	783,973
Motion pictures, not including projection in theaters	4	15	14		52	34,335	39,122	36,568	3,716	115,921	75,637
Motor-vehicle bodies and motor-vehicle parts	32	212	4,220	20	5,288	555,529	6,580,448	29,416,808	176,167	42,284,503	12,691,528
Motor vehicles, not including motorcycles	8	689	6,086	6,327	2,071	1,576,198	8,486,001	168,745,600	519,908	246,762,302	77,496,794
Mucilage, paste, and other adhesives, except glue and rubber cement	4	5	10	9	20	16,066	12,023	39,322	708	95,254	55,224
Nonferrous-metal alloys and products, not including aluminum products	27	223	997		5,126	682,284	1,283,650	12,077,423	190,203	16,544,314	4,276,688
Paints and varnishes	48	701	1,489	3,230	7,331	1,975,165	1,857,451	14,422,295	336,506	27,778,173	13,019,372
Paper goods, not elsewhere classified	6	26	147		1,595	110,207	231,025	1,699,985	112,580	2,942,721	1,130,156
Patent or proprietary medicines and compounds	88	699	1,444	192	2,500	1,874,774	1,404,210	8,851,750	94,497	36,300,635	27,354,388
Paving materials: Asphalt, tar, crushed slag, and mixtures	4	11	49	310	39	31,065	55,441	256,581	9,068	491,064	225,415
Perfumes, cosmetics, and other toilet preparations	35	231	526		338	476,153	358,138	1,323,692	23,343	4,357,806	3,010,771
Photo-engraving, not done in printing establishments	24	168	466		286	616,828	1,121,320	587,647	22,914	3,157,529	2,546,968
Pipes (tobacco)	7	20	231	220	107	46,335	162,290	209,898	8,436	560,964	342,630
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	84	409	1,755	3,732	9,777	1,056,928	2,365,292	4,037,689	128,762	8,995,634	4,829,183
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	5	33	205	135	427	84,098	273,608	193,139	19,143	754,555	542,273
Pocketbooks, purses, and cardcases	5	26	168		38	51,833	140,090	290,581	3,335	742,482	448,566
Poultry killing, dressing, and packing, wholesale	31	116	607	220	779	185,486	590,221	8,124,256	60,133	9,875,903	1,691,514
Printing and publishing, book and job	456	1,706	5,354	220	7,978	4,426,232	8,692,252	10,596,429	331,034	34,271,995	23,344,532
Printing and publishing, newspaper and periodical	407	3,747	4,284	1,548	8,811	7,904,811	8,061,557	12,376,852	355,261	49,334,986	36,602,843
Pumps (hand and power) and pumping equipment	9	44	222	100	463	112,280	303,070	567,269	19,666	1,234,500	647,565
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	11	116	499		1,235	341,315	674,607	1,182,127	30,927	3,648,201	2,435,147
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint	4	66	147		691	187,014	195,772	1,261,062	61,492	3,117,498	1,794,944
Rubber goods other than tires, inner tubes, and boots and shoes	10	73	590		3,155	143,493	591,190	1,701,430	94,292	4,111,804	2,316,082
Saddlery and harness	10	55	167	100	173	119,471	186,922	469,980	7,923	867,507	389,604
Safes and vaults	3	7	19		100	6,210	21,477	27,213	1,155	64,617	36,249
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	11	18	100	23	311	56,215	134,297	1,172,354	21,021	1,671,797	478,422
Screw-machine products and wood screws	5	30	144		415	54,102	159,011	143,027	13,768	515,532	358,737
Shirts	27	178	3,587	510	592	413,841	2,289,743	5,701,763	53,277	9,528,618	3,773,578
Signs and advertising novelties	39	158	592	15	245	426,041	692,621	1,196,866	52,716	3,647,373	2,397,791
Sporting and athletic goods, not including firearms or ammunition	10	85	470		177	152,517	375,089	713,171	9,763	1,634,894	911,960
Springs, steel, except wire, not made in plants operated in connection with rolling mills	6	28	107		325	90,655	184,209	462,814	24,125	915,419	428,480
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	16	134	781	815	1,832	374,092	810,004	1,993,349	85,286	4,075,631	1,996,996
Statuary and art goods, factory product	10	21	81		63	42,596	145,126	94,427	4,398	347,224	248,399
Stereotyping and electrotyping, not done in printing establishments	7	43	157		574	122,150	324,721	111,271	19,472	740,917	610,174
Stoves and ranges (other than electric) and warm-air furnaces	30	517	2,332	3,261	4,443	1,464,401	3,296,259	5,937,434	220,022	15,334,984	9,177,528
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	43	322	1,084	185	4,782	1,116,763	1,641,608	4,219,767	104,522	8,945,144	4,620,855
Surgical and orthopedic appliances, including artificial limbs	18	144	237	80	495	247,831	237,138	697,166	19,696	1,868,946	1,152,084
Theatrical scenery and stage equipment	3	19	31		22	61,387	77,116	161,638	2,402	414,650	250,610
Tin cans and other tinware, not elsewhere classified	7	149	1,090	929	1,047	308,941	1,148,945	3,687,397	77,280	6,834,788	3,070,111
Tools, not including edge tools, machine tools, files, or saws	11	111	251	239	453	233,373	278,382	721,188	21,298	2,081,082	1,338,596

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Toys (not including children's wheel goods or sleds), games, and playground equipment	6	45	158	-------	138	67,934	135,188	425,140	8,177	908,698	475,381
Trimmings (not made in textile mills) and stamped art goods for embroidering	16	29	134	-------	69	76,741	130,651	282,843	7,240	681,784	391,701
Trunks, suitcases, and bags	18	86	825	-------	479	204,552	981,740	1,774,099	22,062	3,627,743	1,831,582
Vinegar and cider	9	29	80	50	959	87,630	85,077	481,189	34,587	1,034,926	519,150
Wall plaster, wall board, insulating board, and floor composition	7	24	41	-------	254	47,819	71,521	155,700	5,204	428,784	267,880
Waste	4	25	189	-------	243	45,039	95,058	758,885	17,629	1,121,942	345,428
Window and door screens and weather strip	19	68	167	-------	556	220,595	257,326	460,405	13,404	1,282,582	808,773
Window shades and fixtures	13	37	71	-------	23	88,232	92,027	568,194	2,700	971,845	400,951
Wirework, not elsewhere classified	14	254	740	900	2,071	591,520	888,200	4,644,633	80,852	8,896,150	4,170,665
Wood preserving	5	20	190	665	131	37,466	231,303	2,522,550	24,089	3,275,387	728,748
Wood turned and shaped and other wooden goods, not elsewhere classified	22	45	358	1,158	521	99,054	324,881	468,955	13,005	1,179,997	698,037
Other industries	197	2,245	15,795	20,793	67,662	5,681,879	17,213,720	89,058,074	2,836,160	161,909,664	70,015,430

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 7,849 employees of central administrative offices, with salaries aggregating $18,263,839. See GENERAL EXPLANATIONS—Persons Engaged.

TABLE 13.—GENERAL STATISTICS FOR THE ST. LOUIS AND THE KANSAS CITY INDUSTRIAL AREAS AND FOR ST. LOUIS CITY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR CLAY, JACKSON, AND ST. LOUIS COUNTIES: 1929

[This table presents, for the St. Louis and the Kansas City Industrial Areas and for St. Louis city, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the industries shown separately. The counties of Clay, Jackson, and St. Louis are also industrially important, but no statistics by industries can be given for them, for the reasons stated in the explanatory notes]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ST. LOUIS INDUSTRIAL AREA											
[This area comprises St. Louis County and the independent city of St. Louis, Mo., and Madison and St. Clair Counties, Ill. The totals for all industries do not include data for a few establishments located outside the area (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	3,287	28,276	154,321	259,343	365,413	$72,037,263	$198,007,887	$890,700,208	$28,172,195	$1,541,953,654	$623,081,251
Aircraft and parts	4	92	463	-------	818	239,279	529,073	1,683,628	17,304	3,073,438	1,372,506
Aluminum manufactures	4	21	87	-------	136	65,508	116,070	374,277	8,852	695,922	312,793
Awnings, tents, sails, and canvas covers	18	62	194	-------	95	136,957	227,601	1,039,959	6,810	1,596,847	550,078
Bags, other than paper, not made in textile mills	8	192	881	640	587	645,687	884,040	10,271,710	24,519	12,549,369	2,253,140
Beverages	63	171	663	818	669	420,555	927,497	1,762,526	56,437	5,370,872	3,551,909
Blacking, stains, and dressings [1]	13	40	79	3	355	80,413	106,160	441,083	11,833	1,375,022	922,106
Boot and shoe findings, not made in boot and shoe factories	19	127	989	-------	847	241,469	1,001,359	1,655,848	38,576	3,741,460	2,047,036
Boots and shoes, other than rubber	30	1,027	10,965	2,440	3,879	1,910,304	11,877,022	23,694,943	158,948	46,035,958	22,182,067
Boxes, paper, not elsewhere classified	41	357	2,452	250	3,424	889,018	2,179,231	7,049,140	96,365	12,254,671	5,109,166
Boxes, wooden, except cigar boxes	19	102	1,069	1,725	4,087	288,694	1,025,119	2,008,264	50,062	4,263,691	2,205,367
Bread and other bakery products	540	434	4,334	745	7,436	1,138,496	6,010,450	15,285,093	687,777	32,631,938	16,659,068
Brooms	8	2	21	-------	24	(2)	22,495	44,574	989	93,017	47,454
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	13	90	490	55	1,114	275,765	382,116	3,238,625	38,933	4,995,771	1,718,213
Car and general construction and repairs, steam-railroad repair shops	40	269	4,434	1,654	6,074	644,974	6,640,817	5,159,321	293,111	12,738,223	7,285,791
Caskets, coffins, burial cases, and other morticians' goods	13	77	464	741	1,208	268,676	529,869	1,374,619	22,517	3,030,905	1,633,769
Chemicals, not elsewhere classified	14	803	2,665	29,727	5,166	1,575,970	4,173,560	17,362,281	1,649,980	36,757,369	17,745,108
Cigars and cigarettes	24	17	153	-------	4	29,652	154,359	185,957	900	530,812	343,955
Clay products (other than pottery) and nonclay refractories	27	340	2,894	5,080	8,373	950,847	3,535,437	2,184,453	979,128	10,219,814	7,056,233
Cleaning and polishing preparations	10	40	56	-------	129	138,668	71,453	382,328	5,315	824,778	437,135
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	61	515	3,946	745	911	1,397,277	4,056,573	9,857,745	92,655	18,626,040	8,675,640
Clothing, women's, not elsewhere classified	86	343	4,823	-------	634	1,153,344	4,686,369	12,857,968	76,167	22,492,813	9,558,678

See footnotes at end of this section, p. 296.

TABLE 13.—GENERAL STATISTICS FOR THE ST. LOUIS AND THE KANSAS CITY INDUSTRIAL AREAS AND FOR ST. LOUIS CITY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR CLAY, JACKSON, AND ST. LOUIS COUNTIES· 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
ST. LOUIS INDUSTRIAL AREA—Continued											
Coffee and spice, roasting and grinding	23	175	418	185	2,262	$480,403	$460,589	$14,107,742	$81,956	$17,741,483	$3,551,785
Compressed and liquefied gases	9	105	86	344	1,871	174,145	129,447	325,788	89,316	1,566,409	1,151,305
Concrete products	31	80	433	532	1,341	210,901	637,139	1,085,362	39,512	2,938,346	1,813,472
Condensed and evaporated milk	4	2	17	20	244	(?)	27,368	240,861	11,879	448,783	196,043
Confectionery	31	246	1,307	955	2,500	473,941	1,186,070	3,752,262	175,525	7,525,428	3,597,641
Cooperage	10	58	479	875	151	186,852	588,107	1,436,590	25,552	2,567,783	1,105,641
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	66	170	612	-------	1,154	521,589	892,748	1,938,214	29,281	4,314,500	2,347,005
Cutlery (not including silver and plated cutlery) and edge tools [1]	10	64	351	-------	979	179,692	498,407	358,973	37,662	1,804,283	1,407,648
Druggists' preparations	12	121	259	200	287	291,207	237,042	1,099,020	15,010	2,857,631	1,743,601
Dyeing and finishing textiles	6	60	385	500	304	160,656	327,344	792,144	49,488	2,069,623	1,227,991
Electrical machinery, apparatus, and supplies	47	1,520	6,893	1,000	14,444	4,354,828	8,113,002	18,150,282	380,893	49,687,060	31,155,885
Electroplating	14	30	140	-------	672	74,029	198,089	67,850	24,012	524,644	432,782
Envelopes	6	66	351	-------	207	222,928	354,117	791,549	16,991	1,999,223	1,190,983
Feeds, prepared, for animals and fowls	11	190	450	-------	6,778	390,162	576,137	14,942,733	108,614	19,590,854	4,539,507
Fertilizers	6	45	264	202	2,535	79,936	291,678	2,970,438	50,677	4,833,475	1,812,360
Flavoring extracts and flavoring sirups	21	200	205	4,863	1,076	582,588	235,014	2,054,930	423,446	6,709,199	4,230,823
Flour and other grain-mill products	24	243	515	8,497	3,004	605,290	691,867	22,179,478	209,569	25,956,169	3,567,122
Food preparations, not elsewhere classified	19	23	76	8	363	53,940	98,876	826,804	14,373	1,135,633	294,456
Forgings, iron and steel, not made in plants operated in connection with rolling mills	4	61	303	50	3,086	177,717	477,146	2,074,062	94,578	3,652,508	1,483,868
Foundry and machine-shop products, not elsewhere classified	165	1,552	7,245	2,996	21,812	4,355,384	10,642,224	15,170,014	846,488	43,029,344	27,012,842
Fur goods	12	30	127	-------	54	91,119	151,763	634,947	3,959	1,069,254	430,348
Furnishing goods, men's, not elsewhere classified	14	81	477	-------	62	280,589	464,779	2,005,629	7,849	3,472,177	1,458,699
Furniture, including store and office fixtures	62	421	2,359	1,405	5,519	1,206,872	3,101,472	5,190,917	156,764	12,065,823	6,718,142
Gas and electric fixtures, lamps, lanterns, and reflectors	9	140	327	-------	389	389,610	499,229	736,024	28,489	2,226,960	1,462,447
Glass	3	249	2,465	3,380	5,833	530,006	3,003,442	2,651,920	954,489	11,564,507	7,958,098
Glass products (except mirrors) made from purchased glass	11	26	70	-------	37	56,352	107,656	108,022	5,031	371,395	258,342
Grease and tallow, not including lubricating greases	4	2	31	226	108	(?)	40,188	64,256	10,276	173,124	98,592
Hand stamps and stencils and brands	6	18	39	-------	79	57,622	59,120	42,413	3,803	228,345	182,129
Hardware not elsewhere classified [1]	9	65	456	-------	971	225,195	504,070	752,288	25,036	1,853,179	1,075,855
Hats and caps, except felt and straw, men's	21	52	440	-------	88	129,724	460,746	1,476,999	11,913	2,612,608	1,123,696
Ice cream	35	133	331	201	2,070	374,293	524,006	2,033,467	109,683	4,616,176	2,473,026
Ice, manufactured	24	66	300	6,705	10,815	236,015	548,326	255,001	437,562	4,773,440	4,080,877
Instruments, professional and scientific [1]	7	36	204	-------	301	91,575	274,439	231,742	16,753	1,087,031	838,536
Iron and steel: Steel works and rolling mills	13	1,304	10,146	372,945	36,460	3,364,012	17,351,238	22,668,906	3,383,312	63,338,345	37,306,127
Jewelry	19	76	247	-------	70	155,305	373,118	454,426	2,828	1,260,301	803,047
Labels and tags	9	57	234	-------	421	219,634	284,890	630,592	10,815	1,283,445	642,038
Lithographing	10	82	223	-------	386	296,066	375,684	634,778	11,178	1,743,439	1,097,483
Lubricating oils and greases, not made in petroleum refineries	4	20	19	-------	181	42,426	26,521	271,222	4,110	573,513	298,181
Machine tools	4	27	154	-------	522	80,600	212,391	160,789	12,486	686,827	513,552
Marble, granite, slate, and other stone products	28	83	413	75	3,257	227,972	775,104	603,544	40,207	2,174,177	1,530,426
Mattresses and bed springs, not elsewhere classified	10	22	120	-------	311	63,336	141,409	496,513	7,931	829,236	324,792
Meat packing, wholesale	41	1,372	6,740	21,966	15,989	3,448,940	8,772,167	156,560,940	913,806	183,129,557	25,654,811
Millinery	39	275	1,797	6	361	869,154	1,620,455	4,461,831	43,741	8,690,435	4,184,863
Mirrors, framed and unframed	6	12	64	-------	180	24,260	94,585	237,763	7,529	469,226	223,934
Models and patterns, not including paper patterns	21	69	173	-------	232	197,107	286,184	103,928	9,481	832,324	718,915
Nonferrous-metal alloys and products, not including aluminum products	25	288	1,795	1,485	9,984	833,884	2,298,505	22,136,458	457,568	30,331,300	7,737,274
Paints and varnishes	42	532	1,506	3,660	9,790	1,416,733	1,843,269	14,717,065	486,997	27,449,076	12,245,014
Paper	4	25	327	6,330	883	70,121	524,971	1,980,902	224,719	3,727,202	1,521,641
Patent or proprietary medicines and compounds	48	508	1,278	150	2,177	1,436,261	1,241,276	7,844,162	78,263	32,405,432	24,483,007
Perfumes, cosmetics, and other toilet preparations	24	174	463	-------	285	325,430	305,781	710,246	18,815	2,409,550	1,680,489
Petroleum refining	5	337	2,612	18,187	6,144	1,251,839	4,222,981	55,682,989	813,733	77,386,538	20,889,816
Photo-engraving, not done in printing establishments	17	107	283	-------	160	381,925	709,218	422,631	13,769	1,953,173	1,516,773
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	55	231	1,038	2,355	7,494	618,994	1,509,122	1,987,867	82,305	5,004,927	2,934,755
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	5	34	327	-------	851	78,627	374,280	245,669	22,284	984,961	717,008
Printing and publishing, book and job	289	1,096	3,521	195	5,141	2,884,034	5,857,970	7,165,157	205,430	22,410,615	15,040,028
Printing and publishing, newspaper and periodical	94	1,959	1,925	-------	4,824	4,583,737	4,491,361	6,639,449	165,818	26,484,644	19,679,377
Refrigerator and refrigerator cabinets, exclusive of mechanical refrigerating equipment	8	65	346	-------	937	173,789	477,843	907,798	23,476	2,549,789	1,618,515
Roofing, built-up and roll asphalt shingles; roof coatings other than paint	4	91	398	1,540	386	227,101	554,437	3,177,150	78,158	5,430,166	2,174,858
Rubber goods other than tires, inner tubes, and boots and shoes	7	35	120	-------	2,906	81,190	118,640	430,564	49,938	942,557	462,055
Shirts	16	132	2,340	430	362	307,271	1,661,038	4,110,403	34,323	6,674,081	2,529,355
Signs and advertising novelties	22	115	471	-------	223	341,656	527,055	928,198	40,868	2,880,474	1,911,408
Springs, steel, except wire, not made in plants operated in connection with rolling mills	4	29	163	830	256	98,363	248,226	826,794	51,782	1,589,777	711,201
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	17	205	1,598	1,175	4,671	530,569	1,715,140	3,802,840	225,323	8,609,159	4,580,996
Statuary and art goods, factory product	6	20	65	-------	60	41,876	120,421	81,537	3,094	281,402	196,771

See footnotes at end of this section, p. 296.

TABLE 13.—GENERAL STATISTICS FOR THE ST. LOUIS AND THE KANSAS CITY INDUSTRIAL AREAS AND FOR ST. LOUIS CITY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR CLAY, JACKSON, AND ST. LOUIS COUNTIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ST. LOUIS INDUSTRIAL AREA—Continued											
Steam fittings and steam and hot-water heating apparatus	5	69	566	----	1,036	$185,422	$801,645	$1,348,976	$118,100	$4,243,653	$2,776,577
Steel barrels, kegs, and drums	3	46	375	----	1,607	188,203	551,736	1,801,111	40,628	3,035,024	1,193,285
Stereotyping and electrotyping, not done in printing establishments	4	31	110	----	395	86,364	228,010	66,470	13,214	533,012	453,328
Stoves and ranges (other than electric) and warm-air furnaces	34	650	3,705	3,736	6,499	1,907,581	5,046,963	8,736,890	367,630	22,620,810	13,516,290
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	30	296	965	420	4,416	1,022,935	1,432,189	3,923,933	87,837	8,101,096	4,089,326
Surgical and orthopedic appliances, including artificial limbs	9	95	172	----	335	172,997	155,764	550,433	14,337	1,395,007	830,237
Tin cans and other tinware, not elsewhere classified	5	112	898	366	1,127	273,150	890,791	3,070,433	52,067	5,370,134	2,247,634
Tools, not including edge tools, machine tools, files, or saws	7	106	275	225	936	230,722	282,318	763,310	31,135	2,071,945	1,277,500
Toys (not including children's wheel goods or sleds), games, and playground equipment [1]	6	45	158	----	138	67,934	135,188	425,140	8,177	908,698	475,381
Vinegar and cider	4	16	28	37	171	44,094	32,839	382,055	4,679	593,203	206,469
Wall plaster, wall board, insulating board, and floor composition	5	14	26	----	277	24,669	36,856	122,445	4,232	299,936	173,259
Window and door screens and weather strip	14	62	136	----	430	213,371	218,098	420,494	11,195	1,170,172	738,483
Window shades and fixtures	7	24	47	----	13	66,380	59,967	351,847	1,354	573,585	220,384
Wirework, not elsewhere classified	7	242	666	900	1,660	560,104	805,511	4,466,822	66,399	6,539,408	4,006,187
Wood preserving	3	34	368	530	1,036	111,018	414,392	6,583,731	59,215	7,945,768	1,302,822
Wood turned and shaped and other wooden goods, not elsewhere classified	7	11	54	150	308	27,451	67,598	73,793	7,145	221,702	140,764
Other industries	459	5,409	34,385	43,658	91,844	12,484,724	42,231,005	298,170,014	10,949,645	469,087,674	159,968,015

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for the following numbers of establishments located outside the area have been included in the items for the area, to avoid disclosing the data reported by those establishments: Blacking, stains, and dressings, 2; cutlery (not including silver and plated cutlery) and edge tools, 1; hardware not elsewhere classified, 2; instruments, professional and scientific, 2; toys (not including children's wheel goods or sleds), games, and playground equipment, 2.

[2] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[3] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items, to avoid disclosing the figures reported by an individual establishment.

KANSAS CITY (MISSOURI AND KANSAS) INDUSTRIAL AREA

[This area comprises Jackson and Clay Counties, Mo., and Wyandotte County, Kans.]

All industries, total	1,169	10,148	48,332	56,683	158,098	$24,188,952	$63,705,471	$503,267,055	$8,071,412	$741,237,997	$229,899,530
Aluminum manufactures	5	11	43	----	154	27,568	65,292	150,991	8,617	400,796	241,188
Awnings, tents, sails, and canvas covers	8	52	163	----	87	122,502	167,348	738,342	5,736	1,116,818	372,740
Beverages	12	29	73	----	240	63,794	95,131	283,897	11,417	847,086	551,772
Boxes, paper, not elsewhere classified	8	76	737	750	1,064	257,991	829,433	2,802,601	24,102	4,610,801	1,784,098
Bread and other bakery products	86	203	2,438	1,571	4,072	439,434	3,016,509	8,204,812	278,382	20,858,688	12,375,494
Brooms	3	4	53	----	23	8,038	63,953	140,996	1,412	224,466	82,058
Butter	14	111	300	373	1,356	304,856	372,876	10,620,771	72,341	12,518,421	1,825,309
Car and general construction and repairs, steam-railroad repair shops	13	309	3,983	6,680	2,895	810,233	6,388,498	4,378,864	399,412	11,977,007	7,198,731
Caskets, coffins, burial cases, and other morticians' goods	10	34	120	----	172	107,768	141,839	702,148	7,671	1,288,217	578,398
Clay products (other than pottery) and nonclay refractories	8	55	384	787	1,100	164,641	471,658	118,847	169,528	1,130,719	842,344
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	9	39	275	----	55	157,320	289,007	494,721	11,434	1,097,328	591,173
Clothing, women's, not elsewhere classified	27	226	2,097	----	310	603,190	1,378,769	4,487,314	29,180	8,044,174	3,527,680
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	8	131	1,503	----	528	221,594	1,346,544	3,334,623	24,168	5,528,705	2,169,914
Coffee and spice, roasting and grinding	11	81	180	----	1,122	261,486	220,532	7,198,978	35,831	9,813,093	2,578,284
Compressed and liquefied gases	7	71	80	125	1,164	138,219	117,414	278,193	57,560	1,084,767	749,014
Concrete products	14	55	192	30	819	185,955	251,989	1,253,254	29,512	2,373,237	1,090,471
Confectionery	19	116	847	1,295	332	209,231	850,724	2,597,256	50,778	5,373,707	2,725,673
Cooperage	4	4	90	180	109	8,700	103,965	336,511	4,866	666,072	324,695
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	14	44	119	----	302	110,246	237,545	569,758	6,340	1,151,114	575,016
Druggists' preparations	23	107	276	----	242	320,457	315,279	1,110,640	19,677	2,686,852	1,556,535
Flavoring extracts and flavoring sirups	5	14	10	----	45	37,188	13,189	102,151	1,131	207,087	103,805
Flour and other grain-mill products	17	359	1,096	2,125	19,171	880,510	1,545,452	50,422,435	639,793	60,655,991	9,593,763
Food preparations, not elsewhere classified	14	37	104	50	312	85,828	111,720	1,103,278	25,308	1,917,635	789,049

See footnotes at end of this section, p. 297.

TABLE 13.—GENERAL STATISTICS FOR THE ST. LOUIS AND THE KANSAS CITY INDUSTRIAL AREAS AND FOR ST. LOUIS CITY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR CLAY, JACKSON, AND ST. LOUIS COUNTIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
KANSAS CITY (MISSOURI AND KANSAS) INDUSTRIAL AREA—Continued											
Foundry and machine-shop products, not elsewhere classified	71	493	1,890	16	7,080	$1,244,828	$2,794,673	$5,864,615	$233,763	$13,168,704	$7,070,326
Furniture, including store and office fixtures	25	95	482	100	1,123	269,527	752,116	1,263,550	29,795	2,843,919	1,550,574
Hats and caps, except felt and straw, men's	6	15	68	-------	15	25,137	89,926	216,792	1,296	455,092	237,004
House-furnishing goods, not elsewhere classified	8	32	119	-------	60	88,272	89,685	464,963	3,493	833,421	364,965
Ice cream	11	87	239	80	1,666	262,360	368,403	1,385,733	63,430	3,424,206	1,975,043
Ice, manufactured	18	104	501	2,909	10,834	214,625	744,620	89,231	365,629	2,214,010	1,759,150
Lithographing	6	35	89	-------	186	124,912	168,711	365,542	5,788	801,050	429,720
Lubricating oils and greases, not made in petroleum refineries	6	41	106	35	270	166,691	150,123	1,015,573	16,156	1,969,708	937,979
Marble, granite, slate, and other stone products	9	31	135	-------	931	85,229	217,853	300,669	19,282	756,864	436,913
Mattresses and bed springs, not elsewhere classified	9	18	116	10	383	36,423	137,400	551,897	11,260	887,367	324,210
Meat packing, wholesale	10	1,522	7,352	14,586	16,472	3,062,033	9,561,877	199,387,781	1,152,845	227,870,784	27,330,158
Nonferrous-metal alloys and products, not including aluminum products	5	20	73	-------	127	47,522	106,217	512,594	13,447	696,731	80,690
Paints and varnishes	15	294	467	70	2,578	823,644	557,680	4,416,686	53,717	8,251,552	3,781,149
Patent or proprietary medicines and compounds	35	157	128	42	302	383,938	141,464	974,992	13,729	3,459,746	2,471,025
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	23	140	478	345	2,323	340,099	706,522	1,543,557	37,132	2,919,979	1,339,290
Poultry killing, dressing, and packing, wholesale	5	8	33	10	51	10,762	40,702	839,833	3,550	960,937	117,554
Printing and publishing, book and job	134	435	1,340	30	2,153	1,125,389	2,237,420	2,728,604	96,396	9,378,129	6,553,129
Printing and publishing, newspaper and periodical	66	1,255	1,256	1,500	2,117	2,561,508	2,363,831	4,762,727	95,431	17,381,250	12,523,092
Safes and vaults	3	7	19	-------	100	6,210	21,477	27,213	1,155	64,617	36,249
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	6	19	101	-------	347	68,623	134,152	1,097,864	22,795	1,600,359	479,700
Signs and advertising novelties	15	39	118	65	24	89,550	169,904	255,409	22,952	803,746	525,385
Stereotyping and electrotyping, not done in printing establishments	3	12	48	-------	179	35,786	96,711	44,801	6,258	207,905	156,846
Tools, not including edge tools, machine tools, files, or saws	5	12	47	20	135	24,182	55,060	66,316	5,007	248,211	176,888
Wall plaster, wall board, insulating board, and floor composition	3	10	18	-------	20	23,150	39,303	36,844	1,204	134,694	96,646
Wirework, not elsewhere classified	4	7	34	-------	378	19,301	35,858	126,205	8,553	213,523	78,765
Other industries	329	3,092	17,912	22,809	72,570	7,522,502	23,529,117	173,495,683	3,873,153	284,208,712	106,839,876

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers, for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

CLAY COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Corn sirup, corn sugar, corn oil, and starch"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	52	608	2,261	6,023	10,631	$1,393,141	$2,757,886	$25,773,901	$651,976	$41,780,383	$15,354,506

JACKSON COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publications of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	947	6,781	32,036	25,970	97,238	$16,918,793	$41,521,925	$221,512,673	$4,715,911	$382,584,609	$156,355,425

TABLE 13.—GENERAL STATISTICS FOR THE ST. LOUIS AND THE KANSAS CITY INDUSTRIAL AREAS AND FOR ST. LOUIS CITY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR CLAY, JACKSON, AND ST. LOUIS COUNTIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
ST. LOUIS COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Electrical machinery, apparatus, and supplies"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	99	1,298	5,861	5,623	36,650	$3,606,903	$7,606,201	$17,577,435	$2,197,088	$45,442,197	$25,667,674
ST. LOUIS CITY (INDEPENDENT, NOT INCLUDED IN ANY COUNTY)											
[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 4, 5, and 6), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	2,708	21,244	109,010	89,469	203,542	$54,825,797	$134,880,814	$571,051,003	$12,529,646	$1,022,713,490	$439,132,841
Aluminum manufactures	4	21	87	-------	136	65,508	116,070	374,277	8,852	695,922	312,793
Awnings, tents, sails, and canvas covers [4]	18	62	194	-------	95	136,957	227,601	1,039,959	6,810	1,596,847	550,078
Bags, other than paper, not made in textile mills	8	192	881	640	587	645,687	884,040	10,271,710	24,519	12,549,369	2,253,140
Beverages	39	159	597	818	522	390,300	838,669	1,578,952	49,514	4,885,134	3,256,668
Blacking, stains, and dressings [5]	13	40	79	3	355	80,413	106,160	441,083	11,833	1,375,022	922,106
Boot and shoe findings, not made in boot and shoe factories	19	127	989	-------	847	241,469	1,001,359	1,655,848	38,576	3,741,460	2,047,036
Boxes, paper, not elsewhere classified	41	357	2,452	250	3,424	889,018	2,179,231	7,049,140	96,365	12,254,671	5,109,166
Bread and other bakery products	447	391	3,881	670	6,159	993,539	5,403,091	13,805,359	615,107	23,658,283	15,237,817
Butter	8	108	203	220	1,800	220,602	305,158	6,470,779	40,045	8,531,767	2,020,943
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	8	70	373	-------	836	244,261	328,552	2,950,070	29,004	4,509,230	1,530,156
Car and general construction and repairs, steam-railroad repair shops	18	128	2,374	556	3,442	272,412	3,254,126	2,803,548	128,813	6,458,898	3,526,537
Cars, electric and steam railroad, not built in railroad repair shops	6	398	2,402	7,570	4,806	823,848	3,615,341	14,991,528	329,128	21,534,609	6,213,953
Caskets, coffins, burial cases, and other morticians' goods [4]	13	77	464	741	1,208	268,676	529,869	1,374,619	22,517	3,030,905	1,633,769
Cigars and cigarettes	18	16	127	-------	3	28,652	130,149	155,855	751	451,539	294,933
Clay products (other than pottery) and nonclay refractories	13	262	2,077	4,526	2,999	741,846	2,674,908	1,767,349	643,364	7,979,472	5,568,759
Cleaning and polishing preparations	10	40	56	-------	129	138,668	71,453	382,328	5,315	824,778	437,135
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified [4]	61	515	3,946	745	911	1,397,277	4,056,573	9,857,745	92,655	18,626,040	8,675,640
Clothing, women's, not elsewhere classified [4]	86	343	4,823	-------	634	1,153,344	4,686,369	12,857,968	76,167	22,492,813	9,558,678
Coffee and spice, roasting and grinding [4]	23	175	418	185	2,262	480,403	460,589	14,107,742	81,956	17,741,483	3,551,785
Compressed and liquefied gases	6	75	58	244	1,398	119,789	83,791	223,707	53,717	1,034,975	757,551
Concrete products	10	55	306	510	984	154,079	444,699	850,438	20,440	2,258,178	1,387,300
Confectionery	31	246	1,307	955	2,500	473,941	1,186,070	3,752,262	175,425	7,525,428	3,597,741
Cooperage	7	50	436	800	98	173,548	525,550	1,276,207	20,049	2,279,987	983,731
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	57	165	564	-------	1,121	511,059	813,700	1,813,719	28,017	4,064,188	2,222,452
Cutlery (not including silver and plated cutlery) and edge tools [4]	10	64	351	-------	979	179,692	498,407	358,973	37,662	1,804,283	1,407,648
Druggists' preparations [5]	12	121	259	200	287	291,207	237,042	1,079,020	15,010	2,857,631	1,763,601
Dyeing and finishing textiles	6	60	385	500	304	160,656	327,344	792,144	49,488	2,069,623	1,227,991
Electroplating [4]	14	30	140	-------	672	74,029	198,089	67,850	24,012	524,644	432,782
Envelopes	6	66	351	225	207	222,928	354,117	791,549	16,991	1,999,523	1,190,983
Flavoring extracts and flavoring sirups [4]	21	200	205	4,863	1,076	582,588	235,014	2,054,930	423,446	6,709,199	4,230,823
Flour and other grain-mill products	5	128	185	3,592	839	285,931	286,905	8,544,613	91,093	10,025,227	1,389,521
Food preparations, not elsewhere classified [5]	19	23	76	8	363	53,940	98,876	826,804	14,373	1,135,633	294,456
Foundry and machine-shop products, not elsewhere classified	131	1,140	5,059	946	17,675	3,105,304	7,562,715	9,573,251	604,333	29,942,632	19,765,048
Fur goods	12	30	127	-------	54	91,119	151,763	634,947	3,959	1,069,254	430,348
Furnishing goods, men's, not elsewhere classified	14	81	477	-------	62	280,589	464,779	2,005,629	7,849	3,472,177	1,458,699
Furniture, including store and office fixtures [4]	62	421	2,350	1,405	5,519	1,206,872	3,101,472	5,190,917	156,764	12,065,823	6,718,142
Gas and electric fixtures; lamps, lanterns, and reflectors	9	140	327	-------	389	389,610	499,229	736,024	28,489	2,226,960	1,462,447
Glass products (except mirrors) made from purchased glass	11	26	70	-------	37	56,352	107,656	108,022	5,031	371,395	258,342
Hand stamps and stencils and brands	6	18	39	-------	79	57,622	59,120	42,413	3,803	228,345	182,129
Hardware not elsewhere classified [5]	9	65	456	-------	971	225,195	504,070	752,288	25,036	1,853,179	1,075,855
Hats and caps, except felt and straw, men's	21	52	440	-------	88	129,724	460,746	1,476,999	11,913	2,612,608	1,123,696
Hats, straw, men's	7	109	541	-------	163	302,347	583,805	1,613,426	14,415	3,813,426	2,185,585
House-furnishing goods, not elsewhere classified	17	37	246	-------	359	86,441	186,720	1,181,075	9,925	1,855,389	664,389
Ice cream [4]	22	103	261	130	1,506	302,900	416,104	1,745,490	67,103	3,771,016	1,958,423
Ice, manufactured [4]	8	28	183[3]	4,865	8,480	153,138	364,101	210,961	315,733	3,974,178	3,447,484
Instruments, professional and scientific [5]	7	36	204	-------	301	91,575	274,439	231,742	16,753	1,087,031	838,536
Jewelry	19	76	247	-------	70	155,305	373,118	454,426	2,828	1,260,301	803,047
Labels and tags	9	57	234	-------	421	219,634	284,890	630,592	10,815	1,283,445	642,038
Lithographing	10	82	223	-------	386	296,066	375,684	634,778	11,178	1,743,439	1,097,483
Marble, granite, slate, and other stone products	24	83	363	75	2,879	227,972	685,347	559,340	34,736	1,975,294	1,381,218

See footnotes at end of this section, p. 299.

TABLE 13.—GENERAL STATISTICS FOR THE ST. LOUIS AND THE KANSAS CITY INDUSTRIAL AREAS AND FOR ST. LOUIS CITY, BY INDUSTRIES, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR CLAY, JACKSON, AND ST. LOUIS COUNTIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
ST. LOUIS CITY (INDEPENDENT, NOT INCLUDED IN ANY COUNTY)—Continued											
Mattresses and bed springs, not elsewbere classified	10	22	120	-------	311	$63,336	$141,409	$496,513	$7,931	$829,236	$324,792
Meat packing, wbolesale	32	682	3,158	11,831	6,741	1,896,852	4,239,382	74,159,642	463,932	86,301,064	11,677,490
Millinery	39	275	1,797	6	361	869,154	1,620,455	4,461,831	43,741	8,690,435	4,184,863
Mirrors, framed and unframed	6	12	64	-------	180	24,260	94,585	237,763	7,529	469,226	223,934
Models and patterns, not including paper patterns [4]	21	69	173	-------	232	197,107	286,184	103,928	9,481	832,324	718,915
Paints and varnisbes	33	335	809	3,160	2,454	974,909	981,582	9,625,709	149,241	16,499,330	6,724,380
Perfumes, cosmetics, and other toilet preparations [4]	24	174	463	-------	285	325,430	303,781	710,246	18,815	2,409,550	1,680,489
Pboto-engraving, not done in printing establisbments	17	107	283	-------	160	381,925	709,218	422,631	13,769	1,953,173	1,516,773
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	33	166	841	1,830	5,965	469,540	1,193,930	1,548,725	59,064	3,935,966	2,328,177
Printing and publisbing, book and job	268	1,081	3,463	195	5,018	2,859,226	5,755,102	7,068,728	198,217	22,036,262	14,769,317
Printing and publisbing, newspaper and periodical	60	1,789	1,709	-------	4,191	4,107,494	4,051,291	6,355,759	139,493	24,552,617	18,057,365
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	8	65	346	-------	937	173,789	477,843	907,798	23,476	2,549,789	1,618,515
Signs and advertising novelties	22	115	471	-------	223	341,656	527,055	928,198	40,868	2,880,474	1,911,408
Statuary and art goods, factory product	6	20	65	-------	60	41,876	120,421	81,537	3,094	281,402	196,771
Stereotyping and electrotyping, not done in printing establishments	4	31	110	-------	395	86,364	228,010	66,470	13,214	533,012	453,328
Stoves and ranges (otber tban electric) and warm-air furnaces	20	468	1,884	3,261	3,520	1,327,323	2,658,296	5,423,956	175,483	13,648,375	8,048,936
Structural and ornamental iron and steel work, not made in plants operated in connection witb rolling mills	27	221	753	90	2,560	782,347	1,139,505	2,843,734	60,192	5,959,139	3,055,213
Toys (not including children's wheel goods or sleds), games, and playground equipment [5]	6	45	158	-------	138	67,934	135,188	425,140	8,177	908,698	475,381
Wall plaster, wall board, insulating board, and floor composition [4]	5	14	26	-------	277	24,669	36,856	122,445	4,232	299,936	173,259
Window and door screens and weatber strip [4]	14	62	136	-------	430	213,371	218,098	420,494	11,195	1,170,172	738,483
Window shades and fixtures [4]	7	24	47	-------	13	66,380	59,967	351,847	1,354	573,585	220,384
Wirework, not elsewbere classified [4]	7	242	666	900	1,660	560,104	805,511	4,466,822	66,399	8,539,408	4,006,187
Wood turned and sbaped and otber wooden goods, not elsewbere classified	7	11	54	150	308	27,451	67,598	73,793	7,145	221,702	140,764
Otber industries [7]	608	7,941	49,042	32,054	86,247	19,294,257	56,861,750	296,690,401	6,431,633	521,117,420	217,995,386

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside St. Louis have been included with those for the city, as specified in footnotes 4, 5, and 6, to avoid disclosing, exactly or approximately, the data reported by individual establishments.

[4] Includes data for 1 establishment located outside St. Louis.

[5] Includes data for 2 establishments located outside St. Louis.

[6] Includes data for 3 establishments located outside St. Louis.

[7] The figures for this item include data for the "Boots and shoes, other than rubber" industry, which reported a larger number of wage earners than any other industry in the city, and for the "Motor vehicles, not including motorcycles" industry, which reported a larger value of products than any other industry in the city. Separate figures can not be given for either of these industries without disclosing the data for individual establishments.

MONTANA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[3]	Materials and containers	Fuel and purchased energy		
1929	589	14,869	197,781	35,947	161,834	$24,214,895	$209,845,438	$202,615,534	$7,229,904	$271,094,446	$61,249,008
1927	565	14,242	188,390	39,189	149,221	20,915,203	151,791,508	144,794,553	6,996,955	203,503,250	51,711,742
1925	606	14,777	166,528	36,302	130,226	21,078,039	146,351,366	(4)	(4)	205,474,257	59,122,891
1923	679	15,943	190,516	36,077	154,439	24,540,317	128,701,942	(4)	(4)	174,873,619	46,171,677
1921	571	11,384	(5)	(5)	(5)	16,791,100	49,166,052	(4)	(4)	80,771,186	31,605,134
1919	1,290	17,160	153,489	51,579	101,910	24,742,562	122,151,924	117,594,952	4,556,972	166,664,518	44,512,594
1914	939	13,704	91,671	63,873	27,798	13,001,205	46,743,986	42,275,499	4,468,487	84,446,136	37,702,150
1909	677	11,655	90,027	63,523	26,504	10,901,452	49,180,239	45,467,399	3,712,840	73,271,793	24,091,554
1904	382	8,957	46,728	42,830	3,898	8,652,217	40,230,060	36,505,364	4,424,696	66,415,452	25,485,392
1899	395	9,854	43,616	42,420	1,196	7,376,822	30,068,101	(6)	(6)	52,744,997	22,676,896
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	4.2	4.4	5.0	−8.2	8.5	15.8	38.2	39.9	3.3	33.2	18.4
1925–1927	−6.8	−3.6	13.1	7.9	14.6	−0.8	3.7			−1.0	−12.5
1923–1925	−10.8	−7.3	−12.6	0.6	−15.7	−14.1	13.7			17.5	28.1
1921–1923	18.9	40.0				46.2	161.8			116.5	46.1
1919–1921	−55.7	−33.7				−32.1	−59.8			−51.5	−29.0
1919–1929	−54.3	−13.4	28.9	−30.3	58.8	−2.1	71.8	72.3	58.7	62.7	37.6
1909–1919	90.5	47.2	70.5	−18.8	284.5	127.0	148.4	158.6	22.7	127.5	84.8
1899–1909	71.4	18.3	106.4	49.7	2,116.1	47.8	63.6			38.9	6.2

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	537,606	589	14,869	197,781	$24,214,895	$209,845,438	$202,615,534	$7,229,904	$271,094,446	$61,249,008
Counties [3]										
Beaverhead	6,654	7	36	209	68,039	86,481	79,393	7,088	203,833	117,352
Blaine	9,006	6	50	996	83,379	538,344	513,486	24,858	770,220	231,876
Carbon	12,571	14	99	449	103,727	414,727	405,800	8,927	702,038	287,311
Cascade	41,146	51	2,350	47,526	4,326,568	98,217,032	96,111,693	2,105,339	116,695,176	18,478,144
Custer	11,242	14	352	932	517,824	1,582,132	1,551,231	30,901	2,438,185	856,053
Deer Lodge	16,293	21	2,659	87,407	5,304,186	60,165,561	57,344,724	2,820,837	71,576,539	11,410,978
Fergus	16,531	21	285	4,309	479,944	3,084,823	2,880,705	204,118	4,588,234	1,503,411
Flathead	19,200	42	1,241	6,125	1,771,283	3,017,563	2,920,931	96,632	5,928,423	2,910,860
Gallatin	16,124	23	262	5,158	408,908	2,185,563	2,002,390	183,173	3,957,324	1,771,761
Granite	3,013	4	17	156	25,648	11,591	11,591	----------	53,488	41,897
Hill	13,775	10	396	1,393	651,643	711,273	650,839	60,434	1,562,431	851,158
Jefferson	4,133	6	21	24	29,860	83,856	83,019	837	154,408	70,552
Lake	9,541	13	148	557	147,114	292,868	289,371	3,497	620,978	328,110
Lewis and Clark	18,224	29	617	6,518	1,059,349	13,230,969	12,389,181	841,788	16,474,949	3,243,980
Lincoln	7,089	22	754	5,387	1,108,770	523,040	467,344	55,696	2,660,772	2,137,732
Madison	6,323	4	9	53	8,800	58,095	56,923	1,172	88,827	30,732
Missoula	21,782	34	1,800	10,721	2,392,261	3,567,208	3,428,349	138,859	7,730,068	4,162,860
Musselshell	7,242	7	20	55	31,451	111,429	108,241	3,188	192,168	80,739
Park	10,922	15	510	2,435	794,693	713,412	669,117	44,295	1,731,328	1,017,916
Pondera	6,964	5	14	69	22,285	159,064	155,470	3,594	208,518	49,454
Ravalli	10,315	16	184	637	229,984	804,765	785,942	18,823	1,295,139	490,374
Richland	9,633	7	94	1,819	104,664	1,089,462	1,049,587	39,875	1,626,412	536,950
Roosevelt	10,672	4	10	28	13,004	20,439	19,445	1,014	65,566	45,107
Sanders	5,692	15	363	541	467,401	1,061,412	1,048,564	12,848	1,913,141	851,729
Sheridan	9,869	6	11	88	15,150	38,193	35,212	2,981	77,081	38,888
Silver Bow	56,969	60	841	3,493	1,421,289	5,538,335	5,369,344	168,991	9,201,227	3,662,892
Stillwater	6,253	3	10	92	15,935	52,160	51,249	911	122,115	69,955
Sweet Grass	3,944	4	8	85	13,520	82,856	82,076	780	109,659	26,803
Valley	11,181	4	12	202	14,844	121,750	117,174	4,576	211,005	89,255
Wheatland	3,751	9	127	939	196,568	1,549,666	1,516,326	32,740	2,300,156	751,090
Yellowstone	30,785	48	889	5,841	1,323,591	5,613,642	5,438,032	175,610	9,014,750	3,401,108
All other counties [4]	120,767	65	680	3,537	1,063,213	5,118,307	4,982,785	135,522	6,820,288	1,701,981
Cities having 10,000 inhabitants or more										
Anaconda	12,494	13	124	1,610	250,798	251,335	206,379	44,956	686,866	435,531
Billings	16,380	40	598	3,032	1,002,249	2,943,917	2,867,405	76,512	5,030,447	2,086,530
Butte	39,532	50	607	2,241	1,021,044	2,261,184	2,122,182	139,002	4,930,600	2,669,416
Great Falls	28,822	40	1,014	5,247	1,628,362	5,858,315	5,715,169	143,146	9,864,729	4,006,414
Helena	11,803	24	246	621	414,960	577,997	530,426	47,571	1,405,721	827,724
Missoula	14,657	21	573	3,595	827,205	1,825,411	1,737,756	87,655	3,231,148	1,405,737

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. In the case of Madison and Sweet Grass Counties, in which fewer than 10 wage earners were employed, statistics are here presented in order that comparison may be made with the corresponding figures for 1927 (published in mimeographed form).
[4] Big Horn, Broadwater, Carter, Chouteau, Daniels, Dawson, Fallon, Garfield, Glacier, Golden Valley, Judith Basin, McCone, Meagher, Mineral, Petroleum, Phillips, Powder River, Powell, Prairie, Rosebud, Teton, Toole, Treasure, Wibaux Counties. (See footnote 3.) No manufacturing reported from Liberty County.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	17,465	16,739	726	330	319	11	[2] 196	[2] 184	12	[2] 2,070	[2] 1,722	[2] 348	14,869	[3] 14,514	[3] 355
1919 [1, 4]	20,692	19,666	1,026	1,200	1,161	39	184	178	6	2,148	1,719	429	17,160	16,608	552
1914 [4]	16,363	15,820	543	832	799	33	129	124	5	1,698	1,523	175	13,704	13,374	330
1909	13,694	13,387	307	659	645	14	89	88	1	1,291	1,189	102	11,655	11,465	190

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 8 (male). Other salaried officers and employees—total, 21; male, 6; female, 15. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	14,869	14,253	14,222	14,351	14,805	14,908	15,012	14,950	15,457	14,744	15,983	15,569	*14,174*	88.7
1919 [1]	17,160	17,539	16,890	16,603	*16,239*	17,062	17,719	17,554	16,906	16,973	17,421	**18,228**	16,786	89.1
1914 [1]	13,704	14,260	13,154	13,187	14,395	15,172	15,280	**15,677**	13,232	12,386	12,920	*12,368*	12,417	78.9
1909 [1]	11,655	10,873	*10,772*	10,900	10,874	11,292	11,195	11,550	11,841	12,435	**13,127**	12,996	12,003	82.1

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	589	14,869	45 and over but under 48	11	668
			48	253	6,920
Not reported	54	106	Over 48 but under 54	9	81
Under 40	4	4	54	73	2,224
40	8	25	Over 54 but under 60	50	3,995
Over 40 but under 44	4	7	60 and over	67	424
44 and over but under 45	56	415			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	589	1,290	677	14,869	17,160	11,655	51 to 100	20	12	15	1,412	878	1,182
							101 to 250	15	15	10	2,414	2,117	1,491
No wage earners	22	203	92				251 to 500	10	11	7	3,329	3,657	2,363
1 to 5	336	854	414	867	1,647	900	501 to 1,000	4	5	2	[1] 4,114	3,325	1,514
6 to 20	138	139	99	1,413	1,526	1,100	1,001 to 2,500	1	1	1		2,151	2,001
21 to 50	43	50	37	1,320	1,859	1,104							

[1] Combined to avoid disclosing number of wage earners reported by an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	589	1,290	677	14,869	17,160	11,655	$271,094,446	$166,664,518	$73,271,793	$61,249,008	$44,512,594	$24,091,554
Less than $5,000	[2]	445	261	[2]	289	227	[2]	1,238,673	649,143	[2]	876,019	457,008
$5,000 to $19,999	240	474	236	590	1,008	754	2,577,153	4,752,545	2,437,212	1,704,919	2,871,270	1,535,283
$20,000 to $99,999	205	247	118	1,468	1,942	1,708	9,295,294	10,696,909	5,092,318	4,711,370	5,151,393	3,108,691
$20,000 to $49,999	132	[3]	[3]	721	[3]	[3]	4,296,805	[3]	[3]	2,327,398	[3]	[3]
$50,000 to $99,999	73	[3]	[3]	747	[3]	[3]	4,998,489	[3]	[3]	2,383,972	[3]	[3]
$100,000 to $499,999	91	86		2,521	3,738		18,612,455	18,010,547		8,149,992	8,461,388	
$100,000 to $249,999	67	[3]	56	1,341	[3]	4,836	10,013,324	[3]	15,221,904	4,539,667	[3]	8,024,645
$250,000 to $499,999	24	[3]		1,180	[3]		8,599,131	[3]		3,610,325	[3]	
$500,000 to $999,999	26	17		2,590	1,717		17,063,816	12,150,756		8,190,157	4,410,262	
$1,000,000 and over	27	21	6	7,700	8,466	4,130	223,545,728	119,815,088	49,871,216	38,492,570	22,742,262	10,965,927
$1,000,000 to $2,499,999	17	[3]	[3]	3,728	[3]	[3]	25,154,608	[3]	[3]	10,575,243	[3]	[3]
$2,500,000 to $4,999,999	4	[3]	[3]	458	[3]	[3]	11,734,862	[3]	[3]	2,702,853	[3]	[3]
$5,000,000 and over	6	[3]	[3]	3,514	[3]	[3]	186,656,258	[3]	[3]	25,214,474	[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	589	1,290	14,869	17,160	$271,094,446	$166,664,518	$61,249,008	$44,512,594
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	269	353	13,436	14,839	262,597,564	153,484,858	57,077,936	38,298,647
Other forms of ownership or control (individual, partnership, etc.)	320	937	1,433	2,321	8,496,882	13,179,660	4,171,072	6,213,947
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	95	(1)	9,608	(1)	231,012,139	(1)	43,294,776	(1)
Independent (single-unit)	494	(1)	5,261	(1)	40,082,307	(1)	17,954,232	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers									Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	197,781	35,947	187	22,455	18	9,006	71	2,530	8	1,956	6,021	161,834	617	13,311
1927	188,390	39,169	215	29,442	17	5,299	93	2,805	8	1,623	4,953	149,221	557	12,808
1925	166,528	36,302	217	29,224	8	3,650	46	1,078	4	2,350	4,566	130,226	432	12,508
1919 [1]	153,489	51,579	307	38,865	7	3,234	224	1,484	23	7,996	3,715	101,910	205	4,297
1914 [1]	91,671	63,873	[2] 368	[2] 52,918	(3)	(3)	131	820	28	10,135	1,625	27,798	177	10,311
Counties in which aggregate horsepower exceeded 25,000: 1929														
Cascade	47,526	447	17	368			3	79			1,101	47,079		
Deer Lodge	87,407	7,220	9	5,405	3	475			2	1,340	2,146	80,187	85	4,140

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 4 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	197,781	35,947	161,834	13,311	Madison	53	46	7	
					Missoula	10,721	5,328	5,393	3,875
Beaverhead	209	180	29	88	Musselshell	55		55	
Blaine	996	847	149	70	Park	2,435	538	1,897	
Carbon	449	60	389		Pondera	69	15	54	
Cascade	47,526	447	47,079						
Custer	932	546	386	1,092	Ravalli	637	330	307	
					Richland	1,819	1,760	59	850
Deer Lodge	87,407	7,220	80,187	4,140	Roosevelt	28	3	25	
Fergus	4,309	355	3,954		Sanders	541	419	122	[2]
Flathead	6,125	5,087	1,038	710					
Gallatin	5,158	307	4,851		Sheridan	88	50	38	
Granite	156	150	6		Silver Bow	3,493	695	2,798	765
					Stillwater	92	80	12	
Hill	1,393	259	1,134		Sweet Grass	85	71	14	
Jefferson	24		24						
Lake	557	495	62		Valley	202	150	52	
Lewis and Clark	6,518	170	6,348		Wheatland	939	10	929	
Lincoln	5,387	5,381	6	606	Yellowstone	5,841	3,958	1,883	781
					All other counties	3,537	990	2,547	[2] 334

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Item for Sanders County included with that for "All other counties" to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	432,335	$1,870,531	449,455	660,581	639,564	678,857	625,111
Antbracite (tons, 2,240 pounds)	1,722	9,366	([3])	1,511	234	656	435
Bituminous (tons, 2,000 pounds)	430,406	1,861,165	([3])	658,889	539,302	578,234	624,624
Coke (tons, 2,000 pounds)	45,043	617,621	([4])	([4])	64,795	196,481	265,279
Fuel oils, including crude oils and gas oils (gallons) [5]	14,359,277	605,986	([4])	([4])	946,714	1,639,612	124,992
Gasoline and kerosene (gallons) [5]	192,126	61,256	([4])	([4])	73,038		
Gas, natural (M cubic feet)	2,919,379	516,200	([4])	([4])	97,410	11,211	2,807
Gas, manufactured (M cubic feet)	5,421	6,129	([4])	([4])			
Other fuels		61,034	([4])	([4])	([4])	([4])	([4])
Electric energy purchased (kilowatt-hours)	818,476,124	3,674,980	([6])	([4])	([4])	([4])	([4])
Total cost of fuel and purchased energy		[7] 7,393,737	Cost $6,996,955	Cost ([4])	Cost $4,556,972	Cost $4,468,487	Cost $3,712,840

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated hy adding tbo number of tons of bituminous coal and tbe number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and tbe corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in tbe same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for wbieb it is possible to publisb sucb figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for tbe remaining industries as a group ("Otber industries"). Certain of tbe industries for wbicb combined figures are given, bowever, reported larger numbers of wage earners or larger values of products tban somo of tbose shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven hy purcbased energy	Salaries	Wages	Cost of materials and contaiers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
All industries, total	589	[8] 2,266	14,869	35,947	161,834	[7] $5,254,612	$24,214,895	$202,616,534	$7,229,904	$271,094,446	$61,249,008
Awnings, tents, sails, and canvas covers	3	1	6	--------	6	([4])	5,227	21,827	245	46,516	24,444
Beverages	22	21	53	--------	288	33,032	83,977	153,876	12,356	415,354	249,122
Bread and other bakery products	82	49	469	--------	788	110,077	668,022	1,764,028	104,382	3,748,856	1,880,446
Butter	54	88	272	297	1,474	160,136	362,483	5,485,938	90,383	6,868,666	1,292,345
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	5	23	152	10	256	47,918	130,598	513,013	9,188	1,125,345	603,144
Car and general construction and repairs, electric-railroad repair shops	4	4	56	65	184	12,225	118,688	52,583	5,219	188,715	130,913
Car and general construction and repairs, steam-railroad repair shops	25	226	3,406	2,646	8,562	562,608	6,631,153	3,153,519	334,843	9,683,123	6,194,761
Cheese	6	-----	4	41	2	----------	4,673	106,277	1,894	138,160	29,989
Cigars and cigarettes	6	1	18	--------	4	([4])	18,195	32,469	825	67,689	34,395
Clay products (other than pottery) and nonclay refractories	9	13	120	120	1,650	31,754	168,985	62,084	76,132	465,006	326,790
Coffee and spice, roasting and grinding	4	2	9	--------	50	([4])	12,720	197,769	2,659	268,827	68,499
Confectionery	5	6	18	--------	12	7,987	17,149	60,884	6,995	107,863	39,984
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	3	14	--------	11	8,760	18,837	64,985	746	118,913	53,182
Flour and other grain-mill products	31	105	264	1,980	4,581	232,181	398,693	10,025,481	137,600	13,363,353	3,200,272
Foundry and machine-shop products, not elsewhere classified	11	43	381	75	2,292	121,912	702,155	563,893	96,807	1,602,156	941,456
Fur goods	3	2	14	--------	50	([4])	15,435	54,146	1,220	99,793	44,427
Ice cream	5	1	10	--------	83	([4])	13,895	56,801	4,611	118,181	56,769
Ice, manufactured	6	11	23	--------	658	23,460	35,653	6,252	23,750	123,724	94,722
Lumber and timber products, not elsewhere classified	86	253	3,501	14,817	2,841	618,217	4,597,889	3,409,182	106,646	11,554,627	8,038,799
Marble, granite, slate, and other stone products	7	11	34	64	229	25,409	51,903	20,184	4,315	172,271	147,772
Meat packing, wholesale	16	50	247	20	957	109,236	394,009	5,393,496	47,303	7,026,759	1,585,960
Petroleum refining	17	79	168	547	409	182,760	270,787	6,978,426	67,859	8,409,230	1,372,945
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	11	14	157	958	1,668	32,650	191,032	430,260	8,944	796,362	357,158
Printing and publishing, book and job	21	69	170	--------	251	147,883	277,440	263,499	11,945	899,294	623,850
Printing and publishing, newspaper and periodical	95	394	712	28	1,844	831,749	1,233,987	936,727	66,906	4,222,014	3,218,381
Sugar, beet	4	59	356	6,427	192	116,957	425,039	3,074,792	156,442	4,994,364	1,763,130
Other industries	50	739	4,235	7,852	132,593	1,837,701	8,366,271	159,734,143	6,859,789	194,469,285	28,875,353

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[3] Not including data for 29 employees of central administrative offices, with salaries aggregating $108,345. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Witbheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

NEBRASKA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	1,491	28,212	169,210	63,411	105,799	$36,881,112	$364,174,710	$357,509,696	$6,665,014	$484,168,409	$119,993,699
1927	1,277	26,110	141,506	70,087	71,419	34,296,241	326,917,490	319,990,229	6,927,261	420,296,190	93,378,700
1925	1,306	27,200	133,708	68,669	65,039	36,021,367	348,397,110	[4]	[4]	443,308,700	94,911,590
1923	1,379	31,267	120,999	63,647	57,352	39,760,667	314,026,922	[4]	[4]	415,056,943	101,030,021
1921	1,390	27,655	[5]	[5]	[5]	37,394,604	246,177,529	[4]	[4]	333,565,107	87,387,578
1919	2,884	36,521	125,769	79,592	46,177	46,066,755	480,774,122	473,636,425	7,137,697	596,042,498	115,268,376
1914	2,492	25,144	89,258	70,464	18,794	16,893,345	174,113,684	171,352,700	2,760,984	221,615,848	47,502,164
1909	2,500	24,336	64,256	56,726	7,530	13,947,845	151,080,971	148,788,301	2,292,670	199,018,579	47,937,608
1904	1,819	20,260	46,245	43,881	2,364	11,022,149	124,051,628	122,413,996	1,637,632	154,918,220	30,866,592
1899	1,695	18,669	41,474	40,608	866	8,842,429	95,925,178	[5]	[5]	130,302,453	34,377,275
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	16.8	8.1	19.6	−9.5	48.1	7.5	11.4	11.7	−3.8	15.2	28.5
1925–1927	−2.2	−4.0	5.8	2.1	9.8	−4.8	−6.2			−5.2	−1.6
1923–1925	−5.3	−13.0	10.5	7.9	13.4	−9.4	10.9			6.8	−6.1
1921–1923	−0.8	13.1				6.3	27.6			24.4	15.6
1919–1921	−51.8	−24.3				−18.8	−48.8			−44.0	−24.2
1919–1929	−48.3	−22.8	34.5	−20.3	129.1	−19.9	−24.3	−24.5	−6.6	−18.8	4.1
1909–1919	15.4	50.1	95.7	40.3	513.2	220.3	218.2	218.3	211.3	199.5	140.5
1899–1909	47.5	30.4	54.9	39.7	769.5	57.7	57.5			52.7	39.4

[1] Not including salaried employees.

[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[4] Not reported separately.

[5] Not called for on schedule.

[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	1,377,963	1,491	28,212	169,210	$36,881,112	$364,174,710	$357,509,696	$6,665,014	$484,168,409	$119,993,699
Counties [3]										
Adams	26,275	45	618	2,988	735,481	3,890,814	3,745,602	145,212	6,350,692	2,459,878
Antelope	15,206	9	13	371	13,245	214,693	210,911	3,782	332,866	118,173
Boone	14,738	9	23	158	27,937	112,054	107,799	4,255	191,121	79,067
Box Butte	11,861	9	294	766	479,626	1,396,207	1,329,129	67,078	2,205,335	809,128
Brown	5,772	9	43	451	65,194	286,762	273,526	13,236	432,500	145,738
Buffalo	24,338	22	121	951	161,167	1,154,376	1,105,231	49,145	1,725,735	571,359
Burt	13,062	8	33	334	37,622	44,027	33,823	10,204	131,435	87,408
Butler	14,410	10	22	406	28,634	95,813	88,918	6,895	232,145	136,332
Cass	17,684	13	407	7,229	599,287	960,261	622,737	337,624	2,422,113	1,461,852
Cedar	16,427	10	28	152	29,445	99,791	92,942	6,849	215,039	116,248
Chase	5,484	7	11	158	8,400	72,284	71,200	1,084	110,930	38,646
Cheyenne	10,187	9	75	516	116,734	195,972	179,507	16,465	406,097	210,125
Clay	13,571	10	48	703	49,154	370,227	360,814	9,413	634,202	163,975
Colfax	11,434	9	35	1,082	38,430	468,973	456,684	12,289	647,881	178,908
Cuming	14,327	10	26	109	26,436	68,710	61,668	7,042	172,619	103,909
Custer	26,189	9	18	102	21,691	38,115	32,275	5,840	117,427	79,312
Dawes	11,493	13	185	932	299,390	374,065	333,499	40,566	809,390	435,325
Dawson	17,875	19	66	616	78,555	745,390	726,528	18,862	1,036,840	291,450
Dixon	11,586	4	4	13	6,563	9,763	8,634	1,129	32,852	23,089
Dodge	25,273	49	447	2,006	486,058	3,879,669	3,795,160	84,509	5,557,430	1,677,761
Douglas [4]	232,982	445	16,339	82,959	21,636,998	280,042,267	276,882,987	3,159,280	355,635,684	75,593,417
Fillmore	12,971	10	41	181	48,376	75,999	71,033	4,966	231,151	155,152
Franklin	9,091	7	15	166	17,301	158,548	152,392	6,156	263,864	105,316
Furnas	12,140	12	30	342	33,732	398,679	389,681	8,998	552,484	153,805
Gage	30,242	33	738	3,062	906,342	4,825,621	4,706,798	118,823	7,399,890	2,574,269
Greeley	8,442	6	10	554	9,736	263,285	260,577	2,708	328,738	65,453
Hall	27,117	43	589	4,844	720,112	4,225,134	4,016,528	208,606	6,627,900	2,302,766
Hamilton	12,159	8	41	340	48,732	1,172,591	1,157,190	15,401	1,417,206	244,615
Hitchcock	7,269	11	28	415	28,324	106,527	99,565	6,962	175,856	69,329
Holt	16,509	8	34	93	40,374	392,584	387,455	5,129	498,149	105,565
Howard	10,020	7	15	67	17,411	89,891	87,139	2,752	136,834	46,943
Jefferson	16,409	17	256	1,397	303,499	1,528,386	1,456,702	71,684	2,230,853	702,467
Johnson	9,157	8	44	133	45,369	288,041	283,933	4,108	401,450	113,409
Kearney	8,094	6	25	239	27,866	152,218	147,552	4,666	254,558	102,340
Keith	6,721	8	48	57	64,246	224,830	221,393	3,437	459,473	234,643
Kimball	4,675	5	13	24	13,831	93,491	88,779	4,712	142,782	49,291
Knox	19,110	13	40	305	40,086	248,504	242,282	6,222	395,934	147,430
Lancaster	100,324	164	3,093	20,033	4,185,236	16,978,777	16,427,161	551,616	28,829,736	11,850,959
Lincoln	25,627	18	469	2,900	713,080	935,042	842,666	92,376	2,093,059	1,158,017
Madison	26,037	34	391	1,580	488,532	2,394,021	2,304,990	89,031	3,848,356	1,454,335
Merrick	10,619	12	50	412	59,620	457,688	450,514	7,174	651,520	193,832
Nance	8,718	5	7	41	8,945	142,167	139,935	2,232	190,701	48,534
Nemaha	12,356	6	15	190	16,180	73,528	68,833	4,695	133,159	59,631
Nuckolls	12,629	15	199	3,283	260,483	2,469,826	2,156,620	313,200	3,425,512	958,692
Phelps	9,261	9	47	360	55,283	379,818	364,839	14,979	557,434	177,616
Platte	21,181	24	165	1,565	194,108	1,281,771	1,242,688	39,083	1,836,290	554,519
Polk	10,092	5	7	134	6,160	15,967	15,246	721	48,635	32,668
Redwillow	13,859	17	265	633	414,074	432,727	395,941	36,786	1,074,914	642,187
Richardson	19,826	19	179	1,232	281,797	1,369,175	1,327,877	41,298	2,043,594	674,419
Sarpy	10,402	3	11	119	11,958	45,574	40,463	5,111	95,414	49,840
Saunders	20,167	12	44	296	66,879	354,761	346,441	8,320	655,372	300,611
Seward	15,938	10	40	586	45,069	334,175	327,431	6,744	462,254	128,079
Sheridan	10,793	9	19	166	18,223	67,554	65,404	2,150	128,308	60,754
Stanton	7,809	6	10	42	11,579	188,759	186,355	2,404	240,401	51,642
Thayer	13,684	13	234	505	134,381	582,655	570,250	12,405	944,215	361,560
Valley	9,533	6	17	154	19,835	197,906	192,816	5,090	287,728	89,822
Washington	12,095	14	65	327	54,622	180,136	165,877	14,259	347,856	167,720
Wayne	10,566	7	22	87	31,236	66,177	62,510	3,667	149,423	83,246
Webster	10,210	11	27	226	25,064	237,186	233,208	3,978	409,379	172,193
York	17,239	15	86	580	98,090	229,215	199,529	29,686	480,748	251,533
All other counties [3]	218,695	127	1,927	18,538	2,369,294	25,995,549	25,093,529	902,020	34,513,946	8,518,397
Cities having 10,000 inhabitants or more										
Beatrice	10,297	24	498	1,950	577,986	4,042,577	3,958,521	84,056	5,976,092	1,933,515
Fremont	11,407	33	385	1,611	438,266	3,684,806	3,606,290	78,516	5,173,022	1,488,216
Grand Island	18,041	37	522	2,801	637,884	3,645,963	3,483,224	162,739	5,645,029	1,999,066
Hastings	15,490	38	554	2,483	656,386	3,809,547	3,695,115	114,432	6,048,241	2,238,694
Lincoln	75,933	150	1,889	9,002	2,301,195	13,173,806	12,778,043	395,763	22,812,816	9,639,010
Norfolk	10,717	20	170	951	216,359	1,664,924	1,616,783	48,141	2,666,491	1,001,567
North Platte	12,061	15	379	1,177	576,551	881,534	807,096	74,438	1,759,914	878,380
Omaha [4]	214,006	431	16,108	82,003	21,356,639	278,920,235	275,792,637	3,127,598	352,835,338	73,915,103

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. In the cases of Dixon, Nance, and Polk Counties, in which fewer than 10 wage earners were employed, statistics are here presented in order that comparison may be made with the corresponding figures for 1927 (published in mimeographed form).

[4] Because of the amount of manufacturing industry in Douglas County and in the city of Omaha, it had been planned to publish statistics by industries for both the county and the city. It is found, however, that no figures can be given for the most important industry—namely, "Meat packing, wholesale"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given either for the county or for the city, would be misleading, and therefore no such statistics are included in this report.

[5] Boyd, Cherry, Dakota, Deuel, Dundy, Frontier, Garden, Garfield, Gosper, Grant, Harlan, Hayes, Keyapaha, Logan, Morrill, Otoe, Pawnee, Perkins, Pierce, Rock, Saline, Scotts Bluff, Sherman, Sioux, and Thurston Counties. (See footnote 3.) No manufacturing was reported from Arthur, Banner, Blaine, Hooker, Loup, McPherson, Thomas, and Wheeler Counties.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	35,682	30,263	5,419	930	875	55	[2] 726	[2] 681	[2] 45	[2] 5,814	[2] 4,059	[2] 1,755	28,212	[3] 24,648	[3] 3,564
1919 [1], [4]	49,076	41,379	7,697	2,916	2,786	130	741	711	30	8,898	6,607	2,291	36,521	31,275	5,246
1914 [4]	33,695	28,682	5,013	2,472	2,364	108	509	493	16	5,570	4,385	1,185	25,144	21,440	3,704
1909	31,966	27,557	4,409	2,522	2,425	97	342	334	8	4,766	3,857	909	24,336	20,941	3,395

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 57; male, 55; female, 2. Other salaried officers and employees—total, 331; male, 192; female, 139. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **hold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Percent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	28,212	26,274	*26,072*	26,326	27,297	27,772	28,905	28,903	29,358	29,373	30,246	29,079	28,939	86.2
1919 [1]	36,521	36,545	35,032	*34,450*	34,938	34,748	36,477	36,576	37,683	37,760	37,836	38,038	36,169	90.2
1914 [1]	25,144	24,159	*23,704*	24,103	24,560	25,147	25,802	25,726	**28,795**	26,210	26,017	24,852	24,653	88.5
1909 [1]	24,336	*22,138*	23,263	22,894	23,744	24,277	24,748	24,742	25,628	25,945	25,373	24,929	24,251	85.3

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,491	28,212	45 and over but under 48	48	4,023
			48	303	8,210
Not reported	177	409	Over 48 but under 54	117	3,062
Under 40	12	79	54	165	2,255
40	14	1,042	Over 54 but under 60	95	2,677
Over 40 but under 44	6	50	60 and over	355	3,110
44 and over but under 45	199	3,295			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufacturers; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,491	2,884	2,500	28,212	36,521	24,336	51 to 100	40	55	39	2,876	3,915	2,650
							101 to 250	35	30	14	5,081	4,531	2,113
No wage earners	66	554	481				251 to 500	8	10	9	2,654	3,321	2,876
1 to 5	875	1,800	1,564	2,258	3,569	3,043	501 to 1,000	3	5	2	1,995	3,028	1,243
6 to 20	345	316	305	3,521	3,507	3,252	1,001 to 2,500	4	5	4	6,181	11,196	6,451
21 to 50	115	109	82	3,646	3,454	2,708	2,501 and over						

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,491	2,884	2,500	28,212	36,521	24,336	$484,168,409	$596,042,498	$199,018,579	$119,993,699	$115,268,376	$47,937,608
Less than $5,000	(2)	963	1,266	(2)	536	1,089	(2)	2,500,345	2,951,130	(2)	1,628,628	1,907,985
$5,000 to $19,999	635	1,029	685	1,407	2,108	2,477	6,945,592	10,273,250	6,778,610	4,420,127	5,773,777	3,844,645
$20,000 to $99,999	508	572	399	3,332	4,036	4,220	23,637,036	26,185,749	17,100,526	12,170,788	11,097,371	6,781,959
$20,000 to $49,999	317	(3)	(3)	1,569	(3)	(3)	10,084,488	(3)	(3)	5,376,028	(3)	(3)
$50,000 to $99,999	191	(3)	(3)	1,763	(3)	(3)	13,552,548	(3)	(3)	6,794,760	(3)	(3)
$100,000 to $499,999	249	231	133	6,467	6,834	7,862	53,860,928	52,104,131	35,055,151	24,456,606	19,820,323	13,363,538
$100,000 to $249,999	179	(3)		3,209	(3)		28,720,883	(3)		13,409,353	(3)	
$250,000 to $499,999	70	(3)		3,258	(2)		25,140,045	(3)		11,047,253	(3)	
$500,000 to $999,999	43	34		2,657	2,936		29,274,137	24,575,469		11,715,480	8,781,178	
$1,000,000 and over	56	55	17	14,349	20,071	8,688	370,450,716	480,403,554	137,133,162	67,230,698	68,167,099	22,039,481
$1,000,000 to $2,499,999	33	(3)	(3)	4,199	(3)	(3)	50,799,125	(3)	(3)	17,882,360	(3)	(3)
$2,500,000 to $4,999,999	14	(3)	(3)	2,798	(3)	(3)	48,626,726	(3)	(3)	14,388,698	(3)	(3)
$5,000,000 and over	9	(3)	(3)	7,352	(2)	(3)	271,024,865	(3)	(3)	34,960,240	(2)	(2)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,491	2,884	28,212	36,521	$484,168,409	$596,042,498	$119,993,699	$115,268,376
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	625	649	24,448	31,499	453,060,990	555,935,574	105,839,098	100,758,225
Other forms of ownership or control (individual, partnership, etc.)	866	2,235	3,764	5,022	31,107,419	40,106,924	14,154,601	14,510,151
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	173	(1)	16,226	(1)	362,693,918	(1)	68,180,685	(1)
Independent (single-unit)	1,318	(1)	11,986	(1)	121,474,491	(1)	51,813,014	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR DOUGLAS COUNTY, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	169,210	63,411	305	42,563	44	14,804	94	4,157	23	1,887	12,940	105,799	1,872	24,169
1927	141,506	70,087	250	46,294	52	15,507	137	5,490	35	2,796	8,826	71,419	2,781	36,137
1925	133,708	68,669	274	46,901	44	14,451	133	4,935	34	2,382	7,848	65,039	1,856	31,908
1919 [1]	125,769	79,592	433	57,332	31	9,117	682	8,203	81	4,940	6,285	46,177	1,970	26,572
1914 [1]	89,258	70,464	[2] 531	[2] 58,066	(3)	(3)	754	6,724	108	5,674	2,903	18,794	1,242	14,019
Douglas County [4]	82,959	24,483	112	15,825	28	8,493	3	165	------	------	6,176	58,476	775	4,976

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] This is the only county in Nebraska in which the aggregate horsepower equaled or exceeded 25,000.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	169,210	63,411	105,799	24,169	Howard	67	30	37	
Adams	2,988	403	2,585		Jefferson	1,397	405	992	(2)
Antelope	371	100	271		Johnson	133	75	58	
Boone	158	35	123		Kearney	239	160	79	
Box Butte	766	217	549	14	Keith	57		57	
Brown	451	200	251		Kimball	24		24	
Buffalo	951	59	892		Knox	305	210	95	78
Burt	334	37	297		Lancaster	20,033	6,407	13,626	225
Butler	406	225	181		Lincoln	2,900	1,139	1,761	233
Cass	7,229	680	6,549	16	Madison	1,580	367	1,213	60
Cedar	152	80	72		Merrick	412	95	317	
Chase	158	135	23		Nance	41	5	36	
Cheyenne	516	175	341		Nemaha	190	75	115	
Clay	703	535	168		Nuckolls	3,283	2,640	643	3,558
Colfax	1,082	952	130	30	Pbelps	360		360	
Cuming	109		109		Platte	1,565	427	1,138	
Custer	102		102		Polk	134		134	
Dawes	932	400	532		Redwillow	633	254	379	
Dawson	616	93	523		Richardson	1,232	660	572	392
Dixon	13		13		Sarpy	119	75	44	
Dodge	2,006	210	1,796		Saunders	296	60	236	
Douglas	82,959	24,483	58,476	4,976	Seward	586	300	286	
Fillmore	181	77	104		Sheridan	166	105	61	
Franklin	166	90	76		Stanton	42		42	
Furnas	342	144	198		Thayer	505	80	425	
Gage	3,062	848	2,214	75	Valley	154	70	84	
Greeley	554	500	54		Washington	327	141	186	20
Hall	4,844	2,167	2,677	727	Wayne	87	25	62	
Hamilton	340		340		Webster	226	127	99	
Hitchcock	415	377	38		York	580	76	504	
Holt	93	10	83		All other counties	18,538	16,171	2,367	[2] 13,765

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Item for Jefferson County included with that for "All other counties" to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	694,098	$2,859,653	678,715	724,637	920,908	690,019	874,834
Anthracite (tons, 2,240 lbs.)	3,586	27,862	(3)	26,690	2,946	40,932	2,829
Bituminous (tons, 2,000 lbs.)	690,682	2,831,791	(3)	694,744	917,608	644,175	871,666
Coke (tons, 2,000 lbs.)	99,877	785,251	(4)	(4)	56,904	29,737	33,574
Fuel oils, including crude oils and gas oils (gallons) [5]	22,625,798	898,056	(4)	(4)	18,062,688	7,122,276	5,660,382
Gasoline and kerosene (gallons) [5]	463,302	63,524	(4)	(4)	541,968		
Gas, natural (M cu. ft.)	1,707	1,136	(4)	(4)	75,956	46,439	18,429
Gas, manufactured (M cu. ft.)	106,303	81,788	(4)	(4)			
Other fuels		76,617	(4)	(4)	(4)	(4)	(4)
Electric energy purchased (kilowatt-hours)	127,627,906	2,011,202	(6)	(4)	(4)	(4)	(4)
Total cost of fuel and purchased energy		[7] 6,777,227	*Cost* $6,927,261	*Cost* (8)	*Cost* $7,137,697	*Cost* $2,760,984	*Cost* $2,292,670

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	1,491	[3] 6,540	28,212	63,411	105,799	[3] $14,466,307	$36,881,112	$357,509,696	$6,665,014	$484,168,409	$119,993,699
Agricultural implements	4	21	94	-------	188	44,531	121,591	261,281	14,467	662,255	386,507
Awnings, tents, sails, and canvas covers	8	39	105	-------	135	76,889	108,543	309,557	6,482	638,432	322,393
Beverages	50	33	160	565	552	65,738	183,407	360,797	38,082	987,723	588,844
Bookbinding and blank-book making	6	13	25	-------	31	35,653	29,679	68,355	1,483	240,259	170,421
Boxes, wooden, except cigar boxes	5	13	112	155	268	30,730	99,591	343,337	7,364	618,496	267,796
Bread and other bakery products	217	219	2,154	113	3,801	465,840	2,432,672	6,914,057	323,312	16,382,507	9,145,138
Brushes, other than rubber	3	7	20	-------	60	9,934	20,725	47,278	2,156	116,357	66,923
Butter	88	448	870	3,453	7,153	1,113,086	1,140,542	39,206,298	415,870	47,873,628	8,251,460
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	10	28	330	210	692	60,867	173,370	1,317,583	23,658	1,759,738	418,497
Car and general construction and repairs, steam-railroad repair shops	25	306	4,380	10,136	15,945	820,648	6,807,597	5,753,281	506,118	13,887,644	7,628,245
Caskets, coffins, burial cases, and other morticians' goods	5	25	42	-------	28	58,474	42,360	154,845	4,002	375,038	216,191
Cheese	12	7	28	124	80	9,168	38,326	620,790	10,524	786,855	155,541
Cigars and cigarettes	11	13	109	-------	12	20,772	63,052	115,723	1,817	297,348	179,808
Clay products (other than pottery) and nonclay refractories	15	37	263	910	1,904	90,790	287,304	85,349	150,165	915,634	680,180
Coffee and spice, roasting and grinding	8	73	279	-------	668	154,581	232,831	4,773,615	22,749	5,838,207	1,041,843
Compressed and liquefied gases	4	51	28	-------	534	95,543	44,188	167,014	37,989	452,864	307,861
Concrete products	26	39	129	25	403	75,146	155,513	282,895	9,620	704,402	411,887
Confectionery	11	66	235	290	314	102,496	157,510	476,535	17,919	1,075,186	580,732
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	16	49	118	-------	312	121,355	155,557	450,903	8,570	1,020,354	560,881
Druggists' preparations	11	63	108	20	151	160,177	125,716	1,142,913	11,140	2,163,010	1,008,957
Electrical machinery, apparatus, and supplies	4	24	76	-------	27	58,177	94,271	372,952	15,388	784,241	395,901
Fancy and miscellaneous articles, not elsewhere classified	3	8	33	-------	18	14,188	33,159	50,512	928	148,827	97,387
Feeds, prepared, for animals and fowls	13	31	98	33	3,017	56,829	117,803	2,213,393	27,538	2,725,407	484,476
Flour and other grain-mill products	96	287	687	5,476	9,569	634,061	833,809	23,628,345	384,480	29,579,918	5,567,093
Food preparations, not elsewhere classified	7	7	26	-------	50	18,615	20,537	236,267	3,962	366,001	125,772
Foundry and machine-shop products, not elsewhere classified	39	157	530	220	1,946	379,436	815,023	1,701,214	49,508	4,473,579	2,722,857
Fur goods	4	19	49	-------	17	54,491	62,234	153,201	2,001	299,436	144,234
Furniture, including store and office fixtures	19	71	410	-------	891	196,035	433,660	1,215,688	16,047	2,416,724	1,185,509
Gas, manufactured, illuminating and heating	17	159	253	2,063	982	289,642	323,472	410,926	817,926	3,487,142	2,258,290
Ice cream	41	95	224	317	2,953	197,812	295,861	1,584,014	96,830	3,516,149	1,835,305
Ice, manufactured	50	66	246	3,532	5,048	147,555	337,126	90,173	214,502	1,452,376	1,147,701
Jewelry	3	7	25	-------	12	11,379	36,017	10,642	209	74,309	63,458
Marble, granite, slate, and other stone products	11	49	105	-------	1,277	127,824	185,315	244,644	18,779	813,890	550,467
Mattresses and bed springs, not elsewhere classified	7	6	39	-------	219	8,758	45,588	132,161	4,467	289,902	153,334
Meat packing, wholesale	15	1,138	6,037	12,004	20,078	2,232,208	7,857,173	185,750,683	1,200,589	208,994,805	22,005,633
Motor-vehicle bodies and motor-vehicle parts	7	25	86	20	144	45,606	107,350	234,342	4,252	542,229	303,635
Paints and varnishes	7	36	93	-------	1,061	90,544	115,349	707,432	27,004	1,272,440	538,004
Patent or proprietary medicines and compounds	19	105	182	-------	225	219,893	275,032	477,554	6,253	1,729,543	1,245,736
Perfumes, cosmetics, and other toilet preparations	7	15	19	-------	11	23,682	17,609	78,115	1,030	230,383	151,238
Photo-engraving, not done in printing establishments	6	18	36	-------	38	60,914	71,604	24,497	2,327	215,166	188,342
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	25	96	340	415	2,148	266,605	434,268	967,584	30,553	2,070,804	1,072,667
Poultry killing, dressing, and packing, wholesale	20	57	351	189	396	87,598	309,446	4,197,793	25,257	5,261,406	1,038,356
Printing and publishing, book and job	111	253	887	-------	1,607	663,430	1,458,874	1,722,231	63,984	5,481,445	3,695,230
Printing and publishing, newspaper and periodical	256	1,147	1,564	242	3,275	2,422,801	2,414,176	2,618,881	136,179	12,995,956	10,240,896
Saddlery and harness	6	35	85	-------	170	69,273	144,081	903,846	6,752	1,715,839	805,241
Shirts	4	15	16	-------	5	31,798	14,248	105,441	384	204,907	99,082
Signs and advertising novelties	8	53	134	-------	25	150,799	223,376	210,834	6,192	984,467	767,441
Statuary and art goods, factory product	3	-------	15	-------	6	----------	14,868	18,460	240	49,046	30,346
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	7	71	455	-------	2,000	185,157	645,657	1,375,632	19,511	2,867,675	1,472,532
Surgical and orthopedic appliances, including artificial limbs	3	2	12	-------	7	[4]	12,947	12,639	164	48,273	35,470
Wirework, not elsewhere classified	3	6	19	-------	51	8,450	19,735	59,490	1,023	145,951	85,438
Other industries	135	933	5,491	22,849	15,297	2,100,299	6,641,490	63,168,324	1,867,388	92,134,236	27,098,524

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including 388 employees of central administrative offices, with salaries aggregating $1,016,125. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

NEVADA

TABLE 1.—SUMMARY FOR THE STATE: 1899 to 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[3]	Materials and containers	Fuel and purchased energy		
1929	123	2,200	27,197	18,809	8,388	$3,585,425	$25,651,871	$24,900,633	$751,238	$33,717,059	$8,065,188
1927	116	2,419	21,974	11,403	10,571	3,915,185	14,440,437	13,330,999	1,109,438	26,815,907	12,375,470
1925	102	2,670	14,604	7,074	7,530	4,473,555	12,084,423	(4)	(4)	21,626,668	9,542,245
1923	104	3,365	27,983	21,888	6,095	5,348,202	12,387,766	(4)	(4)	22,242,524	9,854,758
1921	107	2,393	(5)	(5)	(5)	4,019,923	7,895,667	(4)	(4)	13,370,864	5,475,197
1919	166	3,119	19,874	14,681	5,193	4,318,022	16,490,617	14,997,907	1,492,710	22,874,311	6,383,694
1914	180	3,655	18,744	14,481	4,263	3,577,936	9,316,815	8,025,279	1,291,536	16,083,304	6,766,489
1909	177	2,257	7,440	5,133	2,307	1,981,762	8,365,939	7,797,311	568,628	11,886,828	3,520,889
1904	115	802	2,549	1,999	550	693,407	1,627,776	1,578,007	49,769	3,096,274	1,468,498
1899	99	504	1,561	1,560	1	352,606	662,284	(6)	(6)	1,261,005	598,721
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	6.0	—9.1	23.8	64.9	—20.7	—8.4	77.6	86.8	—32.3	25.7	—34.8
1925–1927	13.7	—9.4	50.5	61.2	40.4	—12.5	19.5			24.0	29.7
1923–1925	—1.9	—20.7	—47.8	—67.7	23.5	—16.4	—2.4			—2.8	—3.2
1921–1923	—2.8	40.6				33.0	56.9			66.4	80.0
1919–1921	—35.5	—23.3				—6.9	—52.1			—41.5	—14.2
1919–1929	—25.9	—30.8	36.8	28.1	61.5	—17.0	55.6	66.0	—49.7	47.4	26.3
1909–1919	—6.2	38.2	167.1	186.0	125.1	117.9	97.1	92.3	162.5	92.4	81.3
1899–1909	(7)	347.8	376.6	229.0	(7)	462.0	1,163.2			842.6	488.1

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.
[7] Per cent not computed where base is less than 100.

TABLE 2.—SUMMARY FOR COUNTIES AND FOR THE CITY OF RENO: 1929

[This table gives statistics for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing an approximation of the data supplied by individual establishments. Certain of the other counties, however, reported larger numbers of wage earners or larger values of products than some of the counties shown separately]

COUNTY OR CITY	Population, 1930	Number of establishments	Wage-earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	91,058	123	2,200	27,197	$3,585,425	$25,651,871	$24,900,633	$751,238	$33,717,059	$8,065,188
Reno	18,529	40	266	1,963	436,020	1,982,626	1,914,224	68,402	3,424,402	1,441,776
Counties										
Churchill	5,075	9	36	471	49,477	398,529	389,472	9,057	540,755	142,226
Clark	8,532	9	335	3,402	593,283	581,441	430,948	150,493	1,387,858	806,417
Elko	9,960	12	213	481	366,643	345,703	295,247	50,456	812,994	467,291
Humboldt	3,795	3	40	36	69,084	58,139	49,470	8,669	168,846	110,707
Nye	3,989	4	12	72	21,184	24,807	21,496	3,311	87,221	62,414
Ormsby	2,221	6	37	188	44,602	33,279	29,405	3,874	109,172	75,893
Pershing	2,652	5	35	249	57,306	132,024	118,691	13,333	265,921	133,897
Washoe	27,158	51	964	8,449	1,507,123	3,581,657	3,382,910	198,747	6,724,151	3,142,494
All other counties[3]	27,676	24	528	13,849	876,723	20,496,292	20,182,994	313,298	23,620,141	3,123,849

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Douglas, Esmeralda, Eureka, Lander, Lincoln, Lyon, Mineral, and White Pine Counties. (See headnote.) No manufacturing was reported from Storey County.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	2,634	2,559	75	70	63	7	[2] 30	[2] 27	3	[2] 334	[2] 290	[2] 44	2,200	[3] 2,179	[3] 21
1919 [1,4]	3,563	3,442	121	136	132	4	33	33		275	220	55	3,119	3,057	62
1914 [4]	4,113	4,041	72	179	169	10	24	22	2	255	227	28	3,655	3,623	32
1909	2,650	2,586	64	137	131	6	32	30	2	224	194	30	2,257	2,231	26

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 3 (male). Other salaried officers and employees—total, 5; male, 4; female, 1. The corresponding data for 1919 and earlier years are included in the respective items for those years but can not be given separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	2,200	2,178	2,168	2,192	2,189	2,200	2,206	2,204	2,209	2,238	**2,272**	2,217	*2,127*	93.6
1919 [1]	3,119	**3,485**	3,207	2,978	2,944	2,996	2,903	3,142	*2,855*	3,191	3,249	3,235	3,263	81.3
1914 [1]	3,655	3,919	3,958	3,969	3,894	4,025	4,042	**4,128**	3,599	3,237	3,282	2,954	*2,853*	69.1
1909 [1]	2,257	*2,107*	2,116	2,140	2,190	2,244	2,266	2,349	**2,398**	2,341	2,390	2,302	2,247	87.9

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	123	2,200	45 and over but under 48	3	27
			48	48	379
Not reported	8	14	Over 48 but under 54	3	57
Under 40	[1] 6	[1] 30	54	9	43
40			Over 54 but under 60	23	1,544
Over 40 but under 44			60 and over	5	18
44 and over but under 45	18	88			

[1] Combined to avoid disclosing data for an individual establishment.

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	123	166	177	2,200	3,119	2,257	21 to 50	10	6	8	299	215	293
							51 to 100	5	4	5	366	319	394
No wage earners	7	21	23				101 to 250	[1] 4	3		[1] 1,087	373	
1 to 5	71	104	116	174	220	225	251 to 500		1	1		425	443
6 to 20	26	25	23	284	243	265	501 to 1,000		2	1		1,324	637

[1] Combined to avoid disclosing approximations of the data for individual establishments.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	123	166	177	2,200	3,119	2,257	$33,717,059	$22,874,311	$11,886,828	$8,065,188	$6,383,694	$3,520,889
Less than $5,000	(2)	37	60	(2)	19	49	(2)	104,808	172,825	(2)	67,708	122,639
$5,000 to $19,999	51	68	66	93	148	168	500,149	706,392	606,654	333,964	432,859	359,561
$20,000 to $99,999	40	40	40	263	385	605	1,754,927	2,142,711	1,968,738	1,060,751	1,068,762	961,529
$20,000 to $49,999	27	(3)	(3)	127	(3)	(3)	826,665	(3)	(3)	512,889	(3)	(3)
$50,000 to $99,999	13	(3)	(3)	136	(3)	(3)	928,262	(3)	(3)	547,862	(3)	(3)
$100,000 to $199,999	27	14		795	533		5,272,738	3,096,640		2,588,485	1,017,822	
$100,000 to $249,999	22	(3)		474	(3)		3,695,348	(3)		1,711,838	(3)	
$250,000 to $499,999	5	(4)	10	321	(3)	1,435	1,577,390	(3)	9,136,611	876,647	(3)	2,077,160
$500,000 to $999,999	2	3		209	190		1,282,595	1,877,188		551,231	696,866	
$1,000,000 and over	3	4	1	840	1,844		24,906,650	14,946,572		3,530,757	3,099,677	
$1,000,000 to $2,499,999	[4] 3	(3)	(3)	[4] 840	(3)	(3)	[4] 24,906,650	(3)	(3)	[4] 3,530,757	(3)	(3)
$2,500,000 to $4,999,999		(3)	(3)		(3)	(3)		(3)	(3)		(3)	(3)
$5,000,000 and over		(3)	(3)		(3)	(3)		(3)	(3)		(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.
[4] Combined to avoid disclosing data for individual establishments.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	123	166	2,200	3,119	$33,717,059	$22,874,311	$8,065,188	6,383,694
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	64	67	1,987	2,929	31,655,781	21,615,875	6,884,029	5,745,151
Other forms of ownership or control (individual, partnership, etc.)	59	99	213	190	2,061,278	1,258,436	1,181,159	638,543
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	33	(1)	1,804	(1)	29,188,881	(1)	6,002,326	(1)
Independent (single-unit)	90	(1)	396	(1)	4,528,178	(1)	2,062,862	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE: 1929, 1927, 1925, 1919, AND 1914

CENSUS YEAR	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines		Number	Horsepower	Number	Horsepower
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower				
1929	27,197	18,809	22	6,702	6	8,400	14	3,207	2	500	816	8,388	290	7,222
1927	21,974	11,403	27	7,225	4	180	18	3,456	3	542	707	10,571	174	2,869
1925	14,605	7,074	28	3,387	4	180	12	2,912	4	595	591	7,530	161	2,794
1919 [1]	19,874	14,681	59	9,692	2	4,450	24	344	4	195	432	5,193	256	5,847
1914 [1]	18,744	14,481	[2] 75	[2] 13,433	(3)	(3)	28	139	9	909	270	4,263	461	13,311

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See headnote on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	27,197	18,809	8,388	7,222	*Counties*—Continued				
Counties					Nye	72		72	
					Ormsby	188	70	118	
Churchill	471	25	446		Pershing	249	200	49	10
Clark	3,402	3,347	66	1,821	Washoe	8,449	2,700	6,749	1,391
Elko	481	307	174		All other counties [2]	13,849	12,145	1,704	4,000
Humboldt	36	16	21						

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Douglas, Esmeralda, Eureka, Lander, Lincoln, Lyon, Mineral, and White Pine Counties. No manufacturing was reported from Storey County.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	44,893	$241,051	213,677	149,501	117,444	44,917	70,670
Anthracite (tons, 2,240 pounds)	2,675	9,257	[3]	638	15	63	115
Bituminous (tons, 2,000 pounds)	41,897	231,794	[3]	148,786	117,427	44,846	70,541
Coke (tons, 2,000 pounds)	125	2,074	[4]	[4]	26,104	18,393	326
Fuel oils, including crude oils and gas oils (gallons) [5]	12,920,495	376,913	[4]	[4]	10,302,138	23,320,332	2,244,858
Gasoline and kerosene (gallons) [5]	20,886	3,118	[4]	[4]	12,978		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	1,106	1,250	[4]	[4]	5,859	831	174
Other fuels		13,544	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	6,670,667	131,789	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 769,739	*Cost* $1,109,438	*Cost* [6]	*Cost* $1,492,710	*Cost* $1,291,636	*Cost* $568,628

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents statistics for all industries for which separate figures can be given without disclosing, exactly or approximately, the data reported by individual establishments. Certain of the "Other industries," however, reported larger numbers of wage earners and larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [1]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	123	[2] 364	2,200	18,809	8,388	[3] $813,640	$3,585,425	$24,900,633	$751,238	$33,717,059	$8,065,188
Beverages	8	8	15	10	210	17,660	22,181	43,768	4,739	136,830	88,323
Bread and other bakery products	14	17	65		129	27,232	108,282	320,464	14,597	676,342	241,281
Butter	7	8	30	55	257	13,748	36,152	896,210	11,103	1,050,563	143,220
Car and general construction and repairs, steam-railroad repair shops	17	102	1,222	2,362	2,654	259,681	2,053,272	1,342,360	196,228	3,857,357	2,318,769
Ice, manufactured	6	9	58	550	1,618	13,951	98,095	6,611	39,101	275,205	229,493
Printing and publishing, book and job	5	7	30		42	14,069	62,258	60,015	2,249	208,900	146,636
Printing and publishing, newspaper and periodical	25	66	93		222	135,129	179,869	90,633	12,110	735,926	633,183
Wall plaster, wall board, insulating board, and floor composition	3	18	109	3,350	822	45,301	160,326	249,092	73,639	781,408	458,677
Other industries	38	129	578	12,482	2,434	286,869	864,990	21,891,480	397,472	26,094,558	3,805,606

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[2] Value of product less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[3] Not including 8 employees of central administrative offices, with salaries aggregating $22,887. See GENERAL EXPLANATIONS—Persons Engaged.

NEW HAMPSHIRE

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	1,075	65,511	402,147	300,731	101,416	$70,613,919	$185,402,323	$176,903,427	$8,498,896	$332,534,753	$147,132,430
1927	1,028	65,482	376,373	318,594	57,779	72,803,397	182,106,373	173,239,125	8,867,248	327,528,366	145,421,993
1925	1,038	66,658	370,740	323,444	47,296	71,725,465	192,253,411	(4)	(4)	327,400,651	135,147,240
1923	1,078	75,314	352,656	302,163	60,493	79,073,889	185,754,469	(4)	(4)	333,124,503	147,370,034
1921	1,122	67,416	(5)	(5)	(5)	67,893,041	139,268,670	(4)	(4)	246,346,200	107,077,530
1919	1,499	83,074	348,892	264,291	84,601	79,326,341	239,527,617	231,599,446	7,928,171	407,204,934	167,677,317
1914	1,736	78,993	340,605	291,434	49,171	40,642,393	114,993,435	110,853,377	4,140,058	182,843,863	67,850,428
1909	1,961	78,658	289,616	268,407	21,209	36,200,262	98,157,016	94,965,035	3,191,981	164,581,019	66,424,003
1904	1,618	65,366	209,612	204,599	5,013	27,693,203	73,216,387	70,754,879	2,461,508	123,610,904	50,394,517
1899	1,771	67,646	198,553	196,549	2,004	25,849,631	60,163,380	(5)	(5)	107,590,803	47,427,423
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	4.6	(7)	6.8	−5.6	75.6	−3.1	1.8	2.1	−4.2	1.5	1.2
1925–1927	−1.0	−1.8	1.5	−1.5	22.2	1.5	−5.3			(7)	7.6
1923–1925	−3.7	−11.6	5.1	7.0	−6.3	−9.3	3.5			−1.7	−8.3
1921–1923	−3.9	11.7				16.6	33.4			35.2	37.6
1919–1921	−25.2	−18.8				−14.4	−41.9			−39.6	−36.1
1919–1929	−28.3	−21.1	15.3	13.8	19.9	−11.1	−22.6	−23.6	7.2	−18.3	−12.3
1909–1919	−23.6	6.6	20.5	−1.5	298.9	119.1	144.0	143.9	148.4	147.4	152.4
1899–1909	10.7	16.3	45.9	36.6	958.3	40.0	63.2			63.0	40.1

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.
[7] Less than one-tenth of 1 per cent increase.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	465,293	1,075	65,511	402,147	$70,513,919	$185,402,323	$176,903,427	$8,498,896	$332,534,753	$147,132,430
Counties										
Belknap	22,623	40	2,188	5,307	2,219,250	2,822,020	2,680,711	141,309	9,671,650	6,849,630
Carroll	14,277	37	580	4,465	595,164	706,636	669,073	37,563	1,863,072	1,156,436
Cheshire	33,685	123	4,656	21,436	5,106,791	12,264,131	11,743,455	520,676	23,446,189	11,182,058
Coos	38,959	36	4,475	110,213	6,068,095	24,028,129	21,381,830	2,646,299	39,765,987	15,737,858
Grafton	42,816	95	3,165	24,134	3,323,407	9,031,257	8,485,254	546,003	15,718,479	6,687,222
Hillsborough [3]	140,165	360	28,650	134,537	29,211,141	84,244,337	81,876,558	2,367,779	142,083,828	57,839,491
Merrimack	56,152	131	7,020	33,018	8,071,028	17,782,963	17,265,029	517,934	33,509,286	15,726,323
Rockingham	53,750	116	4,272	16,366	4,692,606	8,798,041	8,321,875	476,166	18,239,622	9,441,581
Strafford [3]	38,580	88	7,164	30,617	7,340,106	17,537,176	16,780,280	756,896	31,496,424	13,959,248
Sullivan	24,286	49	3,341	22,054	3,986,331	8,187,633	7,699,362	488,271	16,740,216	8,552,583
Cities having 10,000 inhabitants or more										
Berlin	20,018	19	3,726	100,645	5,408,333	21,146,399	18,795,136	2,351,263	35,813,351	14,666,952
Claremont	12,377	17	2,213	17,994	2,751,469	5,308,885	4,914,810	394,075	11,838,378	6,529,493
Concord	25,228	54	2,523	9,148	3,366,240	5,657,771	5,457,003	200,768	12,092,391	6,434,620
Dover	13,573	36	2,586	10,720	2,777,153	8,144,917	7,835,553	309,364	14,048,004	5,903,087
Keene	13,794	57	2,534	6,156	2,801,558	5,853,032	5,649,358	203,674	11,991,501	6,138,469
Laconia	12,471	23	1,471	2,416	1,572,495	1,451,264	1,350,634	100,630	6,956,466	5,505,202
Manchester	76,834	187	19,168	92,123	18,316,234	51,534,003	50,249,842	1,284,161	86,264,956	34,730,953
Nashua	31,463	86	6,877	23,143	8,237,107	26,013,298	25,186,167	827,131	44,195,474	18,182,176
Portsmouth	14,495	26	944	5,865	1,080,636	2,066,961	1,809,398	257,563	4,094,964	2,028,003
Rochester	10,209	17	1,095	2,968	1,039,004	2,832,039	2,771,099	60,940	4,931,488	2,099,449

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] For statistics by industries for this county, see Table 13.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	71,941	49,324	22,617	708	686	22	[2] 642	[2] 581	61	[2] 5,080	[2] 3,352	[2] 1,728	65,511	[3] 44,705	[3] 20,806
1919 [1, 4]	90,332	62,919	27,413	1,426	1,362	64	581	561	20	5,251	3,329	1,922	83,074	57,667	25,407
1914 [4]	85,013	60,655	24,358	1,646	1,573	73	375	365	10	3,999	2,839	1,160	78,993	55,878	23,115
1909	84,191	58,924	25,267	2,014	1,931	83	371	368	3	3,148	2,323	825	78,658	54,302	24,356

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 34 (male). Other salaried officers and employees—total, 237; male, 104; female, 133. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	65,511	65,288	65,611	65,078	64,962	65,192	66,086	65,998	65,898	66,980	**67,371**	64,520	*63,148*	93.7
1919 [1]	83,074	80,610	79,599	79,162	*78,819*	79,972	82,221	82,600	83,325	85,663	87,070	88,593	**89,224**	88.4
1914 [1]	78,993	82,803	82,243	81,296	80,099	79,344	78,427	78,018	77,279	*76,988*	77,402	76,993	77,030	93.0
1909 [1]	78,658	78,438	79,097	79,519	77,697	78,132	78,021	*76,824*	76,975	77,850	80,108	80,797	**80,836**	94.3

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,075	65,511	45 and over but under 48	38	1,981
			48	205	19,429
Not reported	165	579	Over 48 but under 54	282	14,995
Under 40	13	165	54	205	22,140
40	13	104	Over 54 but under 60	33	1,906
Over 40 but under 44	8	315	60 and over	51	1,068
44 and over but under 45	62	2,829			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,075	1,499	1,961	65,511	83,074	78,658	51 to 100	74	87	87	5,301	6,265	5,975
							101 to 250	104	90	77	16,309	14,307	12,088
No wage earners	20	132	158				251 to 500	31	31	37	10,517	11,354	12,533
1 to 5	412	664	974	1,251	1,431	2,127	500 to 1,000	11	12	16	7,785	8,576	11,596
6 to 20	261	319	435	3,034	3,572	5,074	1,001 to 2,500	5	13	8	[1] 16,320	32,563	23,914
21 to 50	155	151	169	4,994	5,006	5,351	2,501 and over	2					

[1] Combined to avoid disclosing numbers of wage earners reported by individual establishments.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,075	1,499	1,961	65,511	83,074	78,658	$332,534,753	$407,204,934	$164,581,019	$147,132,430	$167,677,317	$66,424,003
Less than $5,000	(2)	322	663	(2)	236	963	(2)	782,884	1,603,993	(2)	475,523	1,034,742
$5,000 to $19,999	396	432	648	1,275	1,459	3,695	4,749,294	4,658,294	6,733,411	2,742,516	2,634,890	3,810,066
$20,000 to $99,999	336	495	472	4,526	5,944	9,666	16,534,673	17,584,076	18,059,662	10,027,211	8,900,083	9,504,982
$20,000 to $49,999	191	(3)	(3)	1,748	(3)	(3)	6,248,405	(3)	(3)	3,902,275	(3)	(3)
$50,000 to $99,999	145	(3)	(3)	2,778	(3)	(3)	10,276,268	(3)	(3)	6,124,936	(3)	(3)
$100,000 to $499,999	215	213		11,836	13,249		52,880,192	51,658,874		26,620,788	25,154,580	
$100,000 to $249,999	121	(3)		4,678	(3)		19,922,484	(3)		10,759,371	(3)	
$250,000 to $499,999	94	(3)	184	7,158	(3)	26,809	32,957,708	(3)	57,399,937	15,851,417	(3)	24,282,557
$500,000 to $999,999	64	51		10,398	7,754		44,451,539	36,558,260		21,093,687	16,083,189	
$1,000,000 and over	70	76	34	37,476	55,332	37,525	214,329,055	295,962,596	80,784,016	86,648,228	114,429,142	27,791,656
$1,000,000 to $2,499,999	49	(3)	(3)	13,523	(3)	(3)	78,386,103	(3)	(3)	31,588,809	(3)	(3)
$2,500,000 to $4,999,999	12	(3)	(3)	7,206	(3)	(3)	44,291,616	(3)	(3)	18,689,973	(3)	(3)
$5,000,000 and over	9	(3)	(3)	16,747	(3)	(3)	91,651,336	(3)	(3)	36,369,446	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,075	1,499	65,511	83,074	$332,534,753	$407,204,934	$147,132,430	$167,677,317
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	476	461	55,631	71,774	290,776,270	358,832,142	127,051,113	145,211,659
Other forms of ownership or control (individual, partnership, etc.)	599	1,038	9,880	11,300	41,758,483	48,372,792	20,081,317	22,465,658
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	189	(1)	39,855	(1)	222,771,235	(1)	90,273,748	(1)
Independent (single-unit)	886	(1)	25,656	(1)	109,763,518	(1)	56,858,682	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	402,147	300,731	412	66,120	59	83,422	78	7,769	418	143,420	13,901	101,416	12,906	142,330
1927	376,373	318,594	483	73,570	57	87,714	74	2,562	438	154,748	7,606	57,779	13,568	173,074
1925	370,740	326,444	543	78,881	56	79,615	81	2,765	510	162,183	6,126	47,296	12,973	181,647
1919 [1]	348,892	264,291	768	95,358	47	51,882	106	1,676	641	115,375	6,379	84,601	2,918	67,117
1914 [1]	340,605	291,434	[2] 1,079	[2] 161,001	(3)	(3)	131	1,841	911	128,592	2,781	49,171	1,598	53,441
Counties in which aggregate horsepower exceeded 25,000: 1929														
Coos	110,213	91,439	18	[4] 4,167	9	28,633	1	(4)	59	58,639	1,139	18,774	3,264	60,016
Hillsborough	134,537	115,066	105	19,780	33	45,284	18	1,297	92	48,705	3,432	19,471	7,755	64,280
Merrimack	33,018	22,150	53	[5] 7,088	1	(5)	35	5,268	72	9,794	2,014	10,868	157	964
Strafford	30,617	16,129	36	7,501	4	2,750	4	143	30	5,735	2,612	14,488	284	4,405

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.
[5] Item for steam turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	402,147	300,731	101,416	142,330	Grafton	24,134	16,925	7,209	3,869
					Hillsborough	134,537	115,066	19,471	64,280
Belknap	5,307	2,970	2,337	709	Merrimack	33,018	22,150	10,868	964
Carroll	4,465	2,430	2,035	60	Rockingham	16,366	8,329	8,037	1,146
Cheshire	21,436	13,226	8,210	2,579	Strafford	30,617	16,129	14,488	4,405
Coos	110,213	91,439	18,774	66,016	Sullivan	22,054	12,067	9,987	4,302

[1] Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	850,504	$4,936,328	862,051	756,109	860,716	749,375	632,070
Anthracite (tons, 2,240 pounds)	265,096	1,500,938	([3])	223,749	286,885	101,330	23,768
Bituminous (tons, 2,000 pounds)	553,596	3,435,390	([4])	505,510	539,405	635,885	605,450
Coke (tons, 2,000 pounds)	12,026	122,240	([4])	([4])	30,964	10,169	16,532
Fuel oils, including crude oils and gas oils (gallons) [5]	12,805,358	553,411	([4])	([4])	24,292,716	1,955,562	1,688,358
Gasoline and kerosene (gallons) [5]	171,970	32,240	([4])	([4])	1,161,552		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	79,597	73,104	([4])	([4])	20,910	19,523	32,392
Other fuels		286,026	([4])	([4])	([4])	([4])	([4])
Electric energy purchased (kilowatt-hours)	361,058,733	2,780,656	([6])	([4])	([4])	([4])	([4])
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 8,784,005	$8,867,248	([8])	$7,928,171	$4,140,058	$3,191,981

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	1,075	[3] 5,722	65,511	300,731	101,416	[3] $14,732,103	$70,513,919	$176,903,427	$8,498,896	$332,534,753	$147,132,430
Beverages	32	32	96	112	366	55,139	119,458	326,444	15,505	775,113	433,164
Boot and shoe findings, not made in boot and shoe factories	24	82	802	535	2,022	215,418	741,165	2,198,695	54,361	4,321,582	2,068,526
Boots and shoes, other than rubber	73	1,061	14,544	2,088	6,261	2,613,262	14,943,230	38,442,008	352,542	66,722,194	27,927,644
Boxes, paper, not elsewhere classified	8	29	141	70	164	71,674	119,107	365,216	9,491	674,698	299,991
Boxes, wooden, except cigar boxes	18	74	1,252	4,520	2,149	236,334	1,263,915	2,973,410	27,584	5,393,910	2,392,916
Bread and other bakery products	89	79	661		863	132,122	699,058	2,204,525	115,815	4,343,456	2,023,116
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	5	7	25	270	168	17,756	29,319	140,876	2,841	248,003	104,286
Caskets, coffins, burial cases, and other mortuarians' goods	3	6	42		147	12,506	45,956	93,507	2,780	206,095	109,808
Clay products (other than pottery) and nonclay refractories	12	32	293	305	1,122	89,704	436,151	40,745	169,807	900,388	689,836
Clothing (except work clothing), men's, youth's, and boys', not elsewhere classified	5	12	240	150	35	52,770	177,409	489,258	8,161	772,324	274,905
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	6	22	269	26	118	58,585	200,165	643,360	8,934	1,000,505	348,211
Confectionery	7	5	35	1	65	7,499	23,289	69,254	4,402	177,027	103,371
Cooperage	8	20	300	1,626	96	35,678	340,292	356,403	2,936	854,236	494,897
Cotton goods	18	477	13,769	81,834	14,761	1,435,936	12,418,241	26,866,439	1,455,024	48,850,398	20,528,935
Cotton small wares	8	24	215	105	167	50,082	211,272	411,289	12,384	835,529	411,856
Cutlery (not including silver and plated cutlery) and edge tools	4	22	133	207	422	52,524	153,452	120,600	12,416	443,803	310,787
Electrical machinery, apparatus, and supplies	7	32	462	50	576	108,609	316,962	485,776	14,535	1,180,731	680,420
Excelsior	6	6	77	806	205	18,492	92,598	203,995	5,436	431,812	222,381
Fancy and miscellaneous articles, not elsewhere classified	3	8	83		105	21,611	88,195	50,491	4,667	230,476	175,318
Flour and other grain-mill products	12	16	31	1,012	315	26,669	33,183	849,820	5,919	1,004,925	149,186
Foundry and machine-shop products, not elsewhere classified	43	409	1,973	2,899	6,668	948,645	2,919,404	2,956,137	220,746	10,502,621	7,325,738
Furniture, including store and office fixtures	27	78	775	1,208	1,889	193,950	868,215	1,134,495	47,981	2,882,062	1,699,586
Gas, manufactured, illuminating and heating	11	89	296	699	606	166,104	366,204	308,055	594,639	2,137,054	1,234,369
Ice cream	20	16	78	25	741	48,410	101,311	589,393	29,948	1,218,363	599,022
Knit goods	16	166	2,077	2,975	539	419,595	1,684,544	3,429,004	84,633	6,820,228	3,306,591
Lumber and timber products, not elsewhere classified	165	99	1,982	11,016	3,036	205,715	2,053,183	4,322,087	64,856	8,259,108	3,872,165
Marble, granite, slate, and other stone products	31	29	492	982	3,001	65,111	843,091	392,896	59,490	1,741,218	1,288,832
Motor-vehicle bodies and motor-vehicle parts	3		6	22	15		7,077	5,558	534	19,103	12,981
Needles, pins, hooks and eyes, and snap fasteners	5	34	396	155	141	69,544	390,845	69,169	11,921	701,984	620,894
Paper	23	288	2,580	123,895	9,604	960,934	3,203,186	13,144,955	1,557,159	22,483,315	7,781,201
Pulp (wood and other fiber)	5	269	2,432			828,563	3,533,484	10,035,192	1,575,387	20,418,031	8,807,452
Paper goods, not elsewhere classified	5	209	727	836	1,744	641,313	956,957	6,851,480	77,507	9,227,289	3,298,302
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	29	92	725	2,886	1,713	206,014	783,233	1,314,595	32,523	2,960,540	1,613,422
Printing and publishing, book and job	38	84	833		993	185,443	1,389,778	392,801	31,608	2,597,776	2,173,367
Printing and publishing, newspaper and periodical	62	229	364	5	727	455,800	630,578	338,800	42,205	2,397,392	2,016,387
Signs and advertising novelties	8		32		6		34,007	27,838		106,216	78,378
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	12	54		340	31,746	62,504	341,670	3,514	564,758	219,674
Surgical and orthopedic appliances, including artificial limbs	3	5	20	150	32	7,990	28,114	15,172	1,060	60,238	44,006
Textile machinery and parts	11	200	1,108	1,229	3,100	592,295	1,390,517	1,304,382	96,100	6,743,289	6,342,807
Toys (not including children's wheel goods or sleds), games, and playground equipment	6	22	159	257	261	63,697	134,881	183,803	7,713	581,741	390,226
Wood turned and shaped and other wooden goods, not elsewhere classified	30	35	425	2,208	561	77,233	412,220	489,222	18,377	1,402,435	894,836
Woolen goods	30	285	4,046	12,291	3,555	883,707	4,628,036	10,482,884	472,624	18,688,433	7,732,925
Other industries	162	1,026	10,561	43,276	32,017	2,467,924	11,640,133	42,441,698	1,182,840	70,654,354	27,029,816

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 271 employees of central administrative offices, with salaries aggregating $530,113. See GENERAL EXPLANATIONS—Persons Engaged.

TABLE 13.—GENERAL STATISTICS FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for Hillsborough and Strafford Counties, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
HILLSBOROUGH COUNTY											
All industries, total	360	2,141	28,650	115,066	19,471	$5,360,103	$29,211,141	$81,876,558	$2,367,779	$142,083,828	$57,839,491
Beverages	11	4	19		57	2,990	22,373	48,359	3,614	122,667	70,694
Boot and shoe findings, not made in boot and shoe factories	6	21	170	175	143	46,856	139,470	331,088	8,624	616,105	276,393
Boots and shoes, other than rubber	26	494	7,042	225	3,218	1,110,880	7,626,021	20,332,382	147,435	33,760,069	13,280,252
Boxes, paper, not elsewhere classified	3	10	61		141	41,954	51,044	280,360	4,100	438,434	153,974
Boxes, wooden, except cigar boxes	3	24	376	1,425	200	109,182	371,075	964,538	4,151	1,791,321	822,632
Bread and other bakery products	56	43	280		503	58,536	332,977	1,147,699	55,251	2,358,483	1,155,533
Cotton small wares	3	1	6	15	7	[1]	4,201	6,965	1,026	18,338	10,347
Cutlery (not including silver and plated cutlery) and edge tools	4	22	133	207	422	52,524	153,452	120,600	12,416	443,803	310,787
Foundry and machine-shop products, not elsewhere classified	15	92	449	381	734	276,016	632,540	446,748	43,715	2,218,666	1,728,203
Furniture, including store and office fixtures	13	39	305	478	724	86,963	372,425	514,951	23,567	1,323,274	784,756
Ice cream	8	7	45		392	24,710	59,072	371,914	17,379	777,082	387,789
Lumber and timber products, not elsewhere classified	25	26	420	2,654	335	72,889	464,055	674,784	10,002	1,462,006	777,220
Marble, granite, slate, and other stone products	13	11	123	462	508	23,732	183,330	69,229	19,892	359,155	270,034
Motor-vehicle bodies and motor-vehicle parts	3		6	22	15		7,077	5,588	534	19,103	12,981
Planing-mill products (including general millwork) not made in planing mills connected with sawmills	7	36	266	923	444	112,911	306,104	643,778	9,111	1,310,370	657,481
Printing and publishing, book and job	12	18	112		166	31,023	148,023	86,624	8,183	409,522	314,715
Printing and publishing, newspaper and periodical	13	113	149		238	244,930	281,861	172,839	18,007	1,162,537	971,691
Signs and advertising novelties [2]	8		32		6		34,007	27,538		106,216	78,378
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	12	55		340	31,746	62,504	341,670	3,514	564,758	219,574
Textile machinery and parts	7	25	264	883	569	53,820	306,857	631,580	22,306	1,259,095	605,209
Other industries [3]	120	1,134	18,337	107,216	10,309	2,978,441	17,652,673	54,657,024	1,954,952	91,562,824	34,950,848
STRAFFORD COUNTY											
All industries, total	88	515	7,164	16,129	14,488	$1,414,328	$7,340,106	$16,780,280	$756,896	$31,496,424	$13,959,248
Beverages	5	2	9		33	[4]	9,132	26,556	1,462	69,567	41,549
Boots and shoes, other than rubber	14	176	2,345	735	645	475,877	2,209,844	5,543,239	66,253	9,637,260	4,027,768
Clay products (other than pottery) and nonclay refractories	4	15	150		347	48,741	255,228	13,776	98,709	523,628	411,143
Lumber and timber products, not elsewhere classified	5		38	215			34,108	21,950	2,131	103,794	79,713
Printing and publishing, book and job	6	6	22		34	4,607	27,498	20,726	2,371	112,562	89,465
Other industries	54	316	4,600	15,179	13,429	885,103	4,804,296	11,154,033	585,970	21,049,613	9,309,610

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of an individual officer or employees; included in item for "Other industries."

[2] The figures for the "Signs and advertising novelties" industry include data for 1 establishment located outside the county, to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[3] The figures for "Other industries" include data for the "Cotton goods" industry, which reported a larger number of wage earners than any other industry in the area, but for which separate figures can not be given without disclosing approximations of the data for individual establishments. The "Boots and shoes, other than rubber" industry outranks all others in respect of value of products.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

NEW JERSEY

Table 1.—SUMMARY FOR THE STATE: 1899 to 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5000. See General Explanations—Establishments Covered—Size]

Year or period	Number of establishments	Wage earners (average for the year) [1]	Horsepower (rated capacity) of power equipment: Total	Horsepower: Prime movers	Horsepower: Electric motors driven by purchased energy	Wages	Cost of materials, containers for products, fuel, and purchased electric energy: Total [2]	Materials and containers [4]	Fuel and purchased energy	Value of products [3]	Value added by manufacture [3]
1929	8,388	442,328	1,645,408	799,771	845,637	$610,596,378	$2,165,727,126	$2,090,853,202	$74,873,924	$3,937,156,775	$1,771,429,649
1927	8,312	408,093	1,496,935	823,099	673,836	570,308,502	1,956,597,097	1,866,372,802	90,224,295	3,417,450,248	1,460,853,151
1925	8,204	425,377	1,384,234	837,703	546,531	576,235,826	2,086,855,079	[5]	[5]	3,539,181,253	1,452,326,174
1923	8,767	448,069	1,256,890	829,860	427,030	578,926,675	2,039,477,467	[5]	[5]	3,396,627,729	1,357,150,262
1921	8,784	381,773	[6]	[6]	[6]	460,470,509	1,484,334,069	[5]	[5]	2,556,142,540	1,071,808,471
1919	11,057	508,686	1,140,554	834,792	305,762	600,658,345	2,270,473,279	2,194,512,449	75,960,830	3,672,064,987	1,401,591,708
1914	9,742	373,605	783,706	689,101	94,605	211,136,460	883,464,594	853,988,329	29,476,265	1,406,633,414	523,168,820
1909	8,817	326,223	603,548	570,391	33,157	169,710,033	720,033,399	695,744,486	24,288,913	1,145,529,076	425,495,677
1904	7,010	266,336	427,965	417,362	10,603	128,168,801	470,449,176	454,869,824	15,579,352	774,369,025	303,919,849
1899	6,415	213,975	316,527	312,401	4,126	95,164,913	334,726,094	[7]	[7]	553,005,684	218,279,590
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	0.9	8.4	9.9	−2.8	25.5	7.1	10.7	12.0	−17.0	15.2	21.3
1925–1927	1.3	−4.1	8.1	−1.7	23.3	−1.0	−6.2			−3.4	.6
1923–1925	−6.4	−5.1	10.1	.9	28.0	−.5	2.3			4.2	7.0
1921–1923	−.2	17.4				25.7	37.4			32.9	26.6
1919–1921	−20.6	−24.9				−23.3	−34.6			−30.4	−23.5
1919–1929	−24.1	−13.0	44.3	−4.2	176.6	1.7	−4.6	−4.7	−1.4	7.2	26.4
1909–1919	25.4	55.9	89.0	46.4	822.2	253.9	215.3	215.4	212.7	220.6	229.4
1899–1909	37.4	52.5	90.7	82.6	703.6	78.3	115.1			107.1	94.9

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See General Explanations—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.
[4] Includes cost of foundry supplies for 1927 and earlier years but not for 1929. See General Explanations—Comparableness With Preceding Years—Schedule Changes—Mill or Shop Supplies.
[5] Not reported separately.
[6] Not called for on schedule.
[7] No comparable data.

Table 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy: Total	Materials and containers	Fuel and purchased energy	Value of products	Value added by manufacture
The State	4,041,334	8,388	442,328	1,645,408	$610,596,378	$2,165,727,126	$2,090,853,202	$74,873,924	$3,937,156,775	$1,771,429,649
Industrial Areas										
New York City Area,[3] total	10,160,159	36,401	918,206	2,172,889	1,416,881,044	4,913,697,404	4,797,132,925	116,564,479	9,424,294,682	4,510,597,278
Portion in New Jersey	2,708,766	6,433	328,821	1,109,982	465,700,895	1,796,306,768	1,745,246,306	51,059,862	3,149,031,583	1,352,724,815
Portion in New York	7,451,393	29,968	589,385	1,062,907	951,180,149	3,117,390,636	3,051,886,619	65,504,617	6,275,263,099	3,157,872,463
Philadelphia Area,[4] total	3,137,040	7,184	376,009	1,368,306	510,540,601	1,549,559,096	1,488,231,423	61,327,673	2,981,045,661	1,431,486,565
Portion in New Jersey	416,655	515	45,627	168,092	57,368,882	188,650,604	180,510,543	8,140,061	373,016,637	184,366,033
Portion in Pennsylvania	2,720,385	6,669	330,382	1,200,214	453,171,719	1,360,908,492	1,307,720,880	53,187,612	2,608,029,024	1,247,120,532
Counties in New Jersey										
Atlantic	124,823	189	3,569	11,916	4,180,276	6,965,076	6,239,195	725,881	17,377,151	10,412,075
Bergen [3]	364,977	406	23,775	106,233	32,766,520	131,366,000	125,544,965	4,821,035	209,174,243	77,808,243
Burlington	95,541	118	9,587	26,648	12,135,706	24,900,486	22,819,789	2,080,697	50,297,166	25,396,680
Camden	232,312	316	33,736	125,745	42,208,892	153,361,308	148,060,942	5,300,366	302,180,164	148,818,856
Cape May	29,486	62	466	3,749	494,509	912,754	800,868	111,886	2,576,879	1,664,125
Cumberland	69,895	175	8,119	25,032	8,388,399	13,143,260	11,538,115	1,605,145	30,787,819	17,644,559
Essex [3]	833,513	2,270	92,144	222,396	129,354,661	383,738,068	374,305,551	9,432,517	757,312,601	373,574,533
Gloucester	70,802	81	2,304	15,699	3,024,284	10,388,810	9,629,812	758,998	20,539,307	10,150,497
Hudson [3]	690,730	1,672	90,464	313,371	134,338,714	519,632,478	502,419,418	17,213,060	968,373,084	448,740,606

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties in New Jersey—Continued										
Hunterdon	34,728	51	2,385	22,397	$2,941,385	$5,511,736	$4,656,940	$854,796	$12,991,140	$7,479,404
Mercer [5]	187,143	346	23,721	134,523	31,199,708	60,742,017	56,086,078	4,655,939	140,191,342	79,449,325
Middlesex [3]	212,208	379	36,109	168,922	48,190,152	416,152,298	408,766,885	7,385,413	563,028,590	146,876,292
Monmouth	147,209	216	6,141	21,302	7,154,673	20,113,876	19,207,050	906,826	40,070,128	19,956,252
Morris	110,445	130	6,236	40,283	9,002,994	17,135,772	15,709,202	1,426,570	38,283,532	21,147,760
Ocean	33,069	51	418	1,695	483,914	859,028	806,197	52,831	1,858,540	999,512
Passaic [3]	302,129	1,237	57,798	147,278	77,216,920	178,447,238	171,068,445	7,378,793	360,930,423	182,483,185
Salem	36,834	52	4,501	22,799	5,813,176	17,058,872	15,146,766	1,912,106	47,399,388	30,340,516
Somerset	65,132	60	4,833	24,013	6,569,199	15,659,192	14,397,262	1,261,930	32,052,413	16,393,221
Sussex	27,830	30	1,055	2,887	1,281,100	3,153,716	2,890,101	263,615	6,548,349	3,394,633
Union [3]	305,209	469	28,531	151,782	43,833,928	166,970,686	162,141,642	4,829,044	290,212,642	123,241,956
Warren	49,319	78	6,436	56,738	10,017,268	19,514,455	17,617,979	1,896,476	44,971,874	25,457,419
Cities having 10,000 inhabitants or more [6]										
Asbury Park	14,981	32	442	1,028	529,358	882,478	829,770	52,708	2,253,665	1,371,187
Atlantic City	66,198	113	1,285	6,191	1,961,124	3,122,127	2,577,917	544,210	8,906,337	5,784,210
Bayonne	88,979	125	11,109	49,785	18,160,645	152,750,840	151,550,169	1,200,671	232,712,928	79,962,088
Belleville	26,974	61	2,541	11,817	3,850,405	16,159,501	15,680,746	478,755	27,536,804	11,377,303
Bloomfield	38,077	85	9,666	21,437	12,211,735	78,512,646	77,781,572	731,074	131,834,563	53,321,917
Bridgeton	15,699	48	2,655	9,168	2,726,920	7,216,569	6,560,829	655,740	13,671,288	6,454,719
Burlington	10,844	28	1,748	6,883	2,204,881	4,311,826	3,998,403	313,423	8,152,844	3,841,018
Camden	118,700	230	28,879	83,891	35,517,410	111,802,656	108,041,972	3,760,684	230,978,935	119,176,279
Clifton	46,875	77	6,438	16,547	8,885,424	27,103,376	26,378,459	724,917	46,815,745	19,712,369
Collingswood	12,723	7	19	280	25,827	43,188	30,307	12,881	149,984	106,796
Dover	10,031	20	1,826	6,874	2,344,219	3,301,783	3,119,670	182,113	7,672,161	4,370,378
East Orange	68,020	58	2,060	7,201	3,509,094	4,307,545	4,075,863	231,682	12,852,516	8,544,971
Elizabeth	114,589	201	15,714	68,928	22,923,230	66,125,746	63,621,909	2,503,837	122,751,957	56,626,211
Englewood	17,805	27	295	962	382,569	594,682	532,776	61,906	1,462,179	867,497
Garfield	29,739	56	4,233	20,275	4,938,735	12,746,177	12,203,593	542,584	24,408,588	11,662,411
Gloucester	13,796	22	1,364	14,906	1,890,376	5,844,841	5,358,013	486,828	11,132,588	5,287,747
Hackensack	24,568	40	965	1,710	1,298,535	1,916,393	1,834,256	82,137	4,687,808	2,771,415
Harrison	15,601	46	7,762	43,339	11,726,082	23,870,107	19,756,111	4,113,996	61,266,540	37,396,433
Hawthorne	11,868	18	1,011	2,292	1,465,992	1,600,379	1,446,133	154,246	5,144,810	3,544,431
Hoboken	59,261	198	10,359	25,174	14,937,800	32,358,189	31,589,313	768,876	75,482,635	43,124,446
Irvington	56,733	126	4,566	13,511	6,830,255	22,181,189	21,598,618	582,571	39,747,501	17,566,312
Jersey City [7]	316,715	617	25,822	84,235	37,984,440	164,042,700	160,654,992	3,387,708	311,986,850	147,944,150
Kearny	40,716	40	19,202	66,798	29,698,330	96,983,442	90,930,848	6,052,594	187,733,713	90,750,271
Linden	21,206	27	3,208	43,848	6,310,745	62,551,458	61,759,156	792,302	87,708,455	25,156,997
Long Branch	18,399	28	822	3,337	928,484	2,483,363	2,291,670	191,693	5,443,499	2,960,136
Millville	14,705	41	2,858	11,648	2,759,911	2,845,173	2,212,410	632,763	7,904,367	5,059,194
Montclair	42,017	32	281	1,112	450,773	869,319	826,554	42,765	2,043,963	1,174,644
Morristown	15,197	24	277	725	405,833	794,177	753,585	40,592	1,845,675	1,051,498
Newark [7]	442,337	1,731	66,647	152,785	94,544,473	244,423,115	237,722,455	6,700,660	502,507,589	258,084,474
Nutley	20,572	16	605	1,859	910,724	2,922,623	2,859,243	63,380	6,505,206	3,582,583
New Brunswick	34,555	106	7,817	14,377	9,795,617	26,017,311	25,300,667	716,644	53,713,401	27,696,090
Orange	35,399	72	1,523	2,832	1,926,373	3,546,530	3,414,787	131,743	11,494,496	7,947,966
Passaic	62,959	178	13,853	51,356	17,947,483	44,167,281	42,707,072	1,460,209	89,936,176	45,768,895
Paterson [7]	138,513	915	32,686	67,783	44,030,942	98,000,812	93,393,746	4,607,066	197,650,980	99,650,168
Perth Amboy	43,516	97	9,156	71,229	12,482,096	226,839,913	224,212,926	2,626,987	273,832,301	46,992,388
Phillipsburg	19,255	33	4,471	23,294	6,859,122	13,433,636	12,537,110	896,526	31,401,239	17,967,603
Plainfield	34,422	71	2,586	9,303	4,229,483	5,972,911	5,763,996	208,915	14,623,468	8,650,557
Pleasantville	11,580	12	293	740	356,461	1,304,308	1,275,904	28,404	2,149,173	844,865
Rahway	16,011	28	1,412	3,865	1,879,869	7,179,204	7,024,438	154,766	14,406,779	7,227,575
Red Bank	11,622	27	999	931	1,094,812	2,887,245	2,538,675	48,570	5,151,069	2,263,824
Roselle	13,021	14	941	2,974	1,384,905	3,382,929	3,299,496	83,433	6,492,028	3,109,099
Rutherford	14,915	16	368	813	613,842	814,394	777,283	37,111	2,414,575	1,600,181
South Orange	13,630	8	47	304	67,430	93,100	78,115	14,985	603,607	510,507
Summit	14,556	16	290	600	398,729	848,681	816,005	32,676	1,567,689	719,008
Trenton [7]	123,356	261	18,953	111,628	24,626,124	45,175,899	41,327,386	3,848,513	107,842,837	62,666,938
Union City	58,659	256	3,938	5,900	5,091,118	7,751,520	7,386,389	365,131	19,535,913	11,784,393
Westfield	15,801	14	116	357	204,832	998,451	969,854	28,597	2,408,179	1,409,728
West New York	37,107	182	3,271	3,758	4,150,851	8,356,798	8,117,595	239,203	18,648,703	10,291,905
West Orange	24,327	24	1,611	4,845	2,078,781	5,556,513	5,347,953	208,560	10,298,324	4,741,811

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The New York City Industrial Area comprises Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties, N. J., and Bronx, Kings, New York, Queens, Richmond, and Westchester Counties, N. Y. For statistics by industries for the area as a whole and for the New Jersey counties within the area, except Union County, see Table 13.
[4] The Philadelphia Industrial Area comprises Burlington, Camden, and Gloucester Counties, N. J., and Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa. For statistics by industries for the area as a whole, see report for Pennsylvania.
[5] For statistics by industries for this county, see Table 13.
[6] Not including Carteret, Cliffside Park, Lodi, Ridgefield Park, Ridgewood, and South River, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments.
[7] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	521,262	384,919	136,343	4,686	4,481	205	[2] 7,466	[2] 7,027	[2] 439	[2] 66,782	[2] 46,953	[2] 19,829	442,328	[3] 326,458	[3] 115,870
1919 [1, 4]	602,170	459,767	142,403	9,349	9,003	346	6,547	6,266	281	77,588	56,079	21,509	508,686	388,419	120,267
1914 [4]	431,003	320,967	110,036	8,342	8,030	312	4,549	4,367	182	44,507	35,584	8,923	373,605	272,986	100,619
1909	371,265	278,968	92,297	8,204	7,924	280	4,147	4,056	91	32,691	26,715	5,976	326,223	240,273	85,950

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 340; male, 331; female, 9. Other salaried officers and employees—total, 6,651; male, 5,177; female, 1,474. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	442,328	*422,605*	427,966	434,371	438,966	442,640	443,866	446,606	456,082	462,403	**462,814**	444,851	424,766	91.3
1919 [1]	508,686	504,994	484,983	*438,249*	489,806	496,342	503,068	510,709	516,895	519,225	528,238	530,083	**537,639**	89.7
1914 [1]	373,605	375,612	377,720	381,166	**383,830**	383,376	379,332	371,217	367,483	372,481	372,664	362,322	*356,067*	92.8
1909 [1]	326,223	*313,158*	313,216	318,401	321,883	321,876	321,969	318,216	323,506	334,710	341,569	342,786	**343,389**	91.2

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	8,388	442,328	45 and over but under 48	701	57,590
			48	1,557	146,281
Not reported	652	1,929	Over 48 but under 54	1,785	105,256
Under 40	152	1,119	54	373	16,929
40	343	11,096	Over 54 but under 60	407	34,652
Over 40 but under 44	77	2,063	60 and over	384	9,342
44 and over but under 45	1,957	56,071			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	8,388	11,057	8,817	442,328	508,686	326,223	51 to 100	660	642	513	46,537	46,709	36,848
							101 to 250	539	495	387	83,693	77,538	60,448
No wage earners	204	1,239	712				251 to 500	194	213	170	68,686	74,270	59,516
1 to 5	3,270	4,829	4,078	9,370	11,016	10,005	501 to 1,000	87	93	75	59,864	62,366	52,497
6 to 20	2,197	2,276	2,010	24,674	25,927	22,539	1,001 to 2,500	41	70	31	62,414	171,325	56,816
21 to 50	1,186	1,200	841	38,901	39,535	27,554	2,501 and over	10			48,189		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	8,388	11,057	8,817	442,328	508,686	326,223	$3,937,156,775	$3,672,064,987	$1,145,529,076	$1,771,429,649	$1,401,591,708	$425,495,677
Less than $5,000	(2)	2,007	2,288	(2)	1,352	3,094	(2)	5,244,581	5,815,878	(2)	3,410,547	3,771,287
$5,000 to $19,999	2,347	3,367	3,081	6,541	10,997	16,218	27,376,739	37,193,970	32,476,593	17,460,997	21,242,311	18,157,917
$20,000 to $99,999	3,050	2,996	2,053	33,243	35,449	43,646	142,616,046	135,068,707	90,682,537	89,465,243	70,823,249	46,875,049
$20,000 to $49,999	1,888	(3)	(3)	14,446	(3)	(3)	59,907,768	(3)	(3)	38,371,899	(3)	(3)
$50,000 to $99,999	1,162	(3)	(3)	18,797	(3)	(3)	82,708,278	(3)	(3)	51,093,344	(3)	(3)
$100,000 to $499,999	1,897	1,622		75,597	74,298		429,887,933	368,845,380		236,494,594	181,269,369	
$100,000 to $249,999	1,223	(3)		36,820	(3)		193,480,335	(3)		110,449,922	(3)	
$250,000 to $499,999	674	(3)	1,201	38,777	(3)	137,123	236,407,598	(3)	366,705,326	126,044,672	(3)	168,792,862
$500,000 to $999,999	462	470		52,384	60,449		331,800,801	330,320,324		173,121,616	153,609,185	
$1,000,000 and over	632	595	194	274,563	326,141	126,142	3,005,475,256	2,795,392,025	649,848,742	1,254,887,199	971,237,047	187,898,561
$1,000,000 to $2,499,999	384	(3)	(3)	81,830	(3)	(3)	597,578,518	(3)	(3)	300,723,324	(3)	(3)
$2,500,000 to $4,999,999	139	(3)	(3)	63,416	(3)	(3)	490,672,753	(3)	(3)	239,673,695	(3)	(3)
$5,000,000 and over	109	(3)	(3)	129,317	(3)	(3)	1,917,223,985	(3)	(3)	714,490,180	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	8,388	11,057	442,328	508,686	$3,937,156,775	$3,672,064,987	$1,771,429,649	$1,401,591,708
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	4,458	3,944	402,816	454,860	3,718,084,443	3,367,501,291	1,661,480,436	1,270,813,586
Other forms of ownership or control (individual, partnership, etc.)	3,930	7,113	39,512	53,826	219,072,332	304,563,696	109,949,213	130,778,122
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	1,241	(1)	247,750	(1)	2,673,887,096	(1)	1,108,304,706	(1)
Independent (single-unit)	7,147	(1)	194,578	(1)	1,263,269,679	(1)	663,124,943	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers									Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	1,645,408	799,771	2,241	355,452	612	408,245	330	21,360	78	14,714	126,326	845,637	54,732	535,109
1927	1,496,935	823,099	2,586	428,946	540	362,397	463	24,872	97	6,884	94,061	673,836	50,199	487,653
1925	1,384,234	837,703	2,982	465,824	483	328,247	591	34,918	183	8,714	72,312	546,531	53,022	511,347
1919 [1]	1,140,554	834,792	5,136	573,463	457	207,971	1,303	40,830	304	12,528	41,180	305,762	36,582	418,391
1914 [1]	783,706	689,101	[2] 5,868	[2] 642,608	(3)	(3)	1,328	30,592	390	15,901	16,350	94,605	21,443	257,601
Industrial Areas														
New York city Area, total	2,172,889	813,623	3,048	431,827	637	352,850	379	27,872	28	1,074	292,793	1,359,266	55,822	504,238
Portion in New Jersey (Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties)	1,109,982	515,758	1,473	235,006	378	266,898	171	12,981	13	873	98,714	594,224	37,690	338,750
Portion in New York (Bronx, Kings, New York, Queens, Richmond, and Westchester Counties)	1,062,907	297,865	1,575	196,821	259	85,952	208	14,891	15	201	194,079	765,042	18,132	165,488
Philadelphia Area, total	1,368,306	592,516	2,103	317,849	479	238,206	386	30,712	96	5,749	111,733	775,790	38,776	411,374
Portion in New Jersey (Camden, Burlington, and Gloucester Counties)	168,092	104,339	270	31,875	97	69,493	41	2,751	8	220	8,041	63,753	7,187	80,504
Portion in Pennsylvania (Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties)	1,200,214	488,177	1,833	285,974	382	168,713	345	27,961	88	5,529	103,692	712,037	31,589	330,870
Counties in which aggregate horsepower exceeded 25,000: 1929														
Bergen	106,233	73,142	131	[4] 27,868	43	44,281	14	993	1	(4)	6,388	33,091	6,479	58,345
Burlington	26,648	8,110	35	6,407	3	470	14	1,013	8	220	2,401	18,538	413	2,787
Camden	125,745	85,448	200	20,926	86	63,231	19	1,291	----	----	4,977	40,297	6,458	73,454
Cumberland	25,032	13,144	45	4,088	11	7,172	22	1,139	4	745	2,400	11,888	4,839	6,080
Essex	222,396	58,183	350	43,063	36	11,820	57	3,262	3	38	35,641	164,213	4,708	29,619
Hudson	313,371	156,234	393	60,284	170	90,128	50	5,822	----	----	23,234	157,137	11,916	93,989
Mercer	134,523	49,111	147	34,206	23	14,348	8	385	6	172	6,881	85,412	2,164	28,431
Middlesex	168,922	97,946	160	43,701	38	53,072	18	1,173	----	----	8,231	70,976	4,415	66,832
Morris	40,283	22,935	79	16,848	15	5,206	4	248	7	633	1,433	17,348	1,006	11,125
Passaic	147,278	56,921	276	32,172	41	23,868	6	291	7	590	17,328	90,357	5,338	26,923
Union	151,782	73,332	163	27,943	50	45,729	26	1,440	2	220	7,892	78,450	4,834	63,042
Warren	56,738	35,242	34	13,858	6	12,500	2	95	17	8,789	2,135	21,496	1,822	21,959

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	1,645,408	799,771	845,637	535,109	Mercer	134,523	49,111	85,412	28,431
					Middlesex	168,922	97,946	70,976	66,832
Atlantic	11,916	7,597	4,319	1,464	Monmouth	21,302	6,620	14,682	1,218
Bergen	106,233	73,142	33,091	58,345	Morris	40,283	22,935	17,348	11,125
Burlington	26,648	8,110	18,538	2,787	Ocean	1,695	1,097	598	16
Camden	125,745	85,448	40,297	73,454					
Cape May	3,749	2,388	1,361	93	Passaic	147,278	56,921	90,357	26,923
					Salem	22,799	14,404	8,395	20,177
Cumberland	25,032	13,144	11,888	6,080	Somerset	24,013	13,757	10,256	12,800
Essex	222,396	58,183	164,213	29,619	Sussex	2,887	2,168	719	1,329
Gloucester	15,699	10,781	4,918	4,263	Union	151,782	73,332	78,450	63,042
Hudson	313,371	156,234	157,137	93,989	Warren	56,738	35,242	21,496	21,959
Hunterdon	22,397	11,211	11,186	11,172					

[1] Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter V, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	7,846,006	$35,890,120	8,746,880	8,618,444	10,712,329	8,512,791	7,936,410
Antbracite (tons, 2,240 lbs.)	1,996,020	9,312,582	[3]	2,746,046	3,581,497	4,085,925	3,725,740
Bituminous (tons, 2,000 lbs.)	5,610,464	26,577,538	[3]	5,542,872	6,701,052	3,936,555	3,763,581
Coke (tons, 2,000 lbs.)	548,105	4,240,975	[4]	[4]	693,592	444,749	739,083
Fuel oils, including crude oils and gas oils (gallons) [5]	698,186,180	20,757,826	[4]	[4]	274,134,462	68,429,256	49,962,864
Gasoline and kerosene (gallons) [5]	1,964,940	292,133	[4]	[4]	4,047,540		
Gas, natural (M cu. ft.)							
Gas, manufactured (M. cu. ft.)	21,899,219	7,687,129	[4]	[4]	1,969,277	1,231,745	842,742
Other fuels		665,529	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	1,051,187,141	19,497,541	[6]	[4]	[4]	[4]	[4]
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 89,031,253	$90,224,295	[6]	$75,960,830	$29,476,265	$24,288,913

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	8,388	[3]74,248	442,328	799,771	845,637	*Dollars* [3]198,265,860	*Dollars* 610,596,378	*Dollars* 2,090,853,202	*Dollars* 74,873,924	*Dollars* 3,937,156,775	*Dollars* 1,771,429,649
Agricultural implements	3	1	7	33	15	[4]	8,388	15,846	1,004	42,852	26,002
Aircraft and parts	5	232	912		1,402	621,694	1,414,452	1,353,460	43,149	3,414,439	2,017,830
Artificial and preserved flowers and plants	5	17	98		27	45,736	104,483	109,280	3,848	348,535	235,407
Artificial leather	7	139	583	1,210	4,423	503,989	1,004,522	8,024,160	149,018	10,875,556	2,702,378
Artists' materials	9	39	118	28	141	70,080	183,988	996,113	7,278	1,585,536	582,145
Asbestos products, other than steam packing or pipe and boiler covering	7	188	1,920	7,800	3,056	743,661	2,757,529	5,373,495	509,744	12,442,021	6,558,782
Awnings, tents, sails, and canvas covers	71	56	301		203	132,533	324,500	770,666	15,765	1,634,959	848,528
Bags, other than paper, not made in textile mills	9	41	331		365	125,454	345,794	4,325,275	23,962	5,340,558	991,321
Bags, paper, exclusive of those made in paper mills	4	9	70		81	36,150	66,716	243,260	2,431	569,716	324,025
Baskets and rattan and willow ware, not including furniture	14	38	328	640	237	99,097	271,987	557,329	6,743	1,344,544	780,472
Belting, leather	9	9	22		36	26,305	37,645	118,788	1,625	240,346	119,933
Beverages	203	390	1,209	3,418	2,878	986,950	2,200,905	2,961,175	244,508	10,816,672	7,610,989
Blacking, stains, and dressings	10	212	525	405	950	556,631	625,652	2,880,270	45,938	7,870,106	4,943,898
Bookbinding and blank-book making	26	57	729		348	182,715	638,529	567,067	14,920	1,874,437	1,292,450
Boots and shoes, other than rubber	20	150	1,422	665	712	474,475	1,515,937	3,455,424	54,970	6,878,127	3,367,733
Boxes, cigar, wooden	4	24	239	30	172	108,954	225,538	327,456	8,127	831,024	495,441
Boxes, paper, not elsewhere classified	66	367	2,945	785	5,586	1,204,094	3,171,904	10,188,879	270,706	17,520,497	7,060,912
Boxes, wooden, except cigar boxes	26	96	919	583	2,275	302,143	1,309,634	4,904,037	40,308	8,245,248	3,300,903
Bread and other bakery products	982	581	7,223	1,040	9,937	1,328,540	11,765,100	26,895,133	1,424,064	57,298,063	28,978,846
Brushes, other than rubber	27	127	650	360	714	446,678	725,129	1,926,233	71,038	4,377,266	2,380,015
Buttons	32	124	1,389	675	1,556	345,241	1,617,665	1,608,626	91,524	4,334,082	2,633,932
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	56	565	4,718	3,352	3,824	1,755,194	4,715,084	42,425,864	351,971	73,317,872	30,540,037
Car and general construction and repairs, electric-railroad repair shops	28	35	1,132		4,206	87,088	1,667,333	910,654	26,760	2,691,835	1,754,421
Car and general construction and repairs, steam-railroad repair shops	33	626	7,254	9,439	8,775	1,568,809	12,315,758	6,645,775	506,901	21,015,923	13,863,247
Card cutting and designing	5	9	49		31	32,341	94,793	108,327	1,295	303,192	193,570
Carpets and rugs, rag	7	3	58		44	3,045	39,704	43,797	2,611	170,990	124,582
Caskets, coffins, burial cases, and other morticians' goods	8	19	143	155	194	42,176	176,122	306,201	12,603	735,418	416,614
Cast-iron pipe	9	226	3,535	1,759	12,909	629,530	4,868,021	6,082,551	945,762	14,860,043	7,831,730
Cheese	3		2	9	2		2,300	27,780	660	39,224	10,784
Chemicals, not elsewhere classified	103	3,236	13,504	56,471	42,634	9,106,265	20,746,134	76,914,825	5,174,433	155,782,630	73,693,372
China firing and decorating, not done in potteries	4	8	34		5	19,919	37,939	81,146	4,014	166,419	81,259
Chocolate and cocoa products, not including confectionery	4	43	191	150	1,655	123,581	230,755	1,807,369	52,115	2,782,664	923,180
Cigars and cigarettes	60	589	9,884	205	2,835	1,497,357	7,823,087	29,862,277	184,745	75,585,311	45,538,289
Clay products (other than pottery) and nonclay refractories	68	693	6,088	8,546	12,645	1,762,147	7,693,343	3,252,761	2,266,981	21,739,973	16,220,231
Cleaning and polishing preparations	19	76	104		401	246,369	119,296	806,118	11,797	2,071,719	1,253,804
Clocks, clock movements, time-recording devices, and time stamps	5	23	93		91	70,039	140,549	112,799	4,051	338,778	221,928
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	168	345	7,910	48	1,437	1,228,548	9,143,167	12,069,593	200,007	28,380,959	16,111,359
Clothing, women's, not elsewhere classified	246	508	8,972	4	1,784	1,344,962	7,825,447	10,195,729	191,727	25,414,837	15,027,381

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	12	75	1,024	-------	253	179,703	844,452	3,168,641	21,026	4,881,804	1,692,137
Coffee and spice, roasting and grinding	14	104	151	90	651	318,553	192,582	8,409,066	49,720	13,895,270	5,436,484
Collapsible tubes	7	60	622	-------	629	300,648	695,233	1,952,828	38,010	3,420,228	1,429,390
Compressed and liquefied gases	14	228	377	1,090	4,951	488,585	682,131	1,021,178	351,404	5,464,748	4,092,166
Concrete products	169	235	1,301	375	4,423	596,600	1,850,666	2,687,038	145,918	7,647,481	4,814,525
Confectionery	54	119	1,248	430	1,178	340,617	1,232,840	3,167,445	103,582	5,927,763	2,656,736
Cooperage	16	72	720	891	952	261,899	1,055,840	2,403,241	64,506	4,375,965	1,908,218
Copper, tin, and sheet-iron work, including gavanized-iron work, not elsewhere classified	78	243	923	255	1,478	727,727	1,736,189	2,755,555	58,879	6,435,273	3,620,839
Cordage and twine	7	114	955	5,450	2,510	401,687	1,091,271	4,050,136	109,161	7,688,966	3,529,669
Cork products	7	117	660	1,435	3,525	230,511	841,414	3,454,912	267,485	6,338,833	2,616,436
Corsets and allied garments	15	281	1,516	150	402	796,978	1,420,088	3,775,348	32,677	7,621,263	3,813,238
Cotton goods	28	241	4,758	19,162	5,567	827,311	5,220,985	8,727,373	414,552	17,270,661	8,128,736
Cotton small wares	14	51	381	357	417	141,192	458,333	936,125	30,241	2,003,046	1,036,680
Cutlery (not including silver and plated cutlery) and edge tools	20	177	1,143	800	1,770	526,109	1,406,756	1,097,783	85,777	5,008,893	3,825,333
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	4	48	143	-------	188	196,262	288,267	757,440	6,471	1,394,061	630,150
Doors, shutters, and window sash and frames, metal	5	34	252	-------	796	113,609	439,773	540,334	9,959	1,416,816	866,523
Druggists' preparations	20	212	561	-------	378	710,365	603,897	1,782,772	71,459	5,680,700	3,826,469
Dyeing and finishing textiles	167	2,867	23,097	42,065	29,407	9,522,623	29,943,872	41,539,316	5,644,838	113,558,338	66,374,184
Electrical machinery, apparatus, and supplies	151	12,490	42,193	23,583	53,001	24,272,758	54,638,737	134,441,484	2,369,793	292,785,977	155,974,700
Electroplating	18	28	155	20	553	64,936	268,934	123,687	21,060	693,685	548,908
Embroideries	297	171	1,988	-------	1,045	419,311	2,356,348	2,664,807	123,913	8,994,500	6,205,780
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	12	10	59	-------	38	37,226	110,318	9,047	1,545	247,900	237,308
Engraving, steel and copperplate, and plate printing	22	88	664	55	280	478,697	944,169	241,833	28,092	2,462,099	2,192,174
Fancy and miscellaneous articles, not elsewhere classified	32	296	1,724	110	1,395	1,033,541	2,002,669	2,781,318	96,992	9,264,876	6,386,566
Feeds, prepared, for animals and fowls	10	73	148	470	480	162,229	198,925	1,070,769	36,454	1,943,360	836,137
Fertilizers	19	162	611	2,060	2,377	412,185	765,402	4,865,927	87,024	7,124,287	2,171,336
Files	6	53	530	1,015	654	191,030	785,878	266,516	65,788	1,904,719	1,572,415
Fireworks	6	13	170	100	145	28,670	203,556	390,415	16,262	850,073	443,396
Flavoring extracts and flavoring sirups	21	123	179	575	486	457,961	299,343	1,823,274	98,189	3,209,323	1,287,860
Flour and other grain-mill products	40	51	158	1,916	1,643	125,684	194,332	2,972,646	46,751	3,815,156	795,759
Food preparations, not elsewhere classified	22	131	564	50	1,328	402,597	721,037	5,210,523	44,579	10,829,562	5,574,460
Forgings, iron and steel, not made in plants operated in connection with rolling mills	14	298	986	6,504	1,302	570,857	1,655,068	2,492,300	305,472	6,477,969	3,680,197
Foundry and machine-shop products, not elsewhere classified	364	4,928	22,343	28,036	51,676	13,440,875	37,116,068	46,755,615	2,799,552	135,991,319	86,436,152
Fur goods	15	20	104	12	72	61,170	204,304	463,295	6,942	879,984	409,747
Furnishing goods, men's, not elsewhere classified	22	81	1,447	199	219	207,299	1,087,992	2,977,204	21,175	5,920,295	2,921,916
Furniture, including store and office fixtures	82	418	2,568	214	5,267	1,286,482	4,009,902	5,799,850	170,337	14,430,179	8,468,992
Furs, dressed	22	185	1,317	500	2,085	669,327	2,181,051	736,856	116,811	5,832,703	4,979,036
Gas and electric fixtures; lamps, lanterns, and reflectors	22	167	852	700	945	409,939	1,002,783	1,424,446	57,993	3,845,704	2,363,265
Gas machines, gas meters, and water and other liquid meters	8	111	396	-------	766	336,223	530,893	1,157,048	30,291	2,464,508	1,277,169
Gas, manufactured, illuminating and heating	22	429	1,266	35,629	2,481	804,363	1,931,221	6,069,819	5,375,047	38,488,281	27,043,415
Glass	10	420	4,220	5,219	8,751	1,122,377	4,906,495	2,484,633	1,418,888	16,283,769	12,380,248
Glass products (except mirrors) made from purchased glass	34	135	1,043	60	954	376,553	1,169,260	3,919,583	75,433	6,780,615	2,785,599
Gold leaf and foil	11	5	145	-------	47	9,957	123,200	296,958	5,249	675,312	373,105
Gold, silver, and platinum, reducing and refining, not from the ore	16	236	565	565	2,007	786,381	1,017,358	28,574,769	122,374	31,470,767	2,773,624
Grease and tallow, not including lubricating greases	16	51	256	1,030	1,086	196,106	407,230	4,733,904	114,959	6,284,385	1,435,522
Handkerchiefs	31	167	2,918	900	724	532,423	2,220,990	6,768,077	61,438	12,657,607	5,828,092
Hand stamps and stencils and hrands	10	45	135	-------	72	129,272	205,752	69,240	4,628	779,484	705,616
Hardware not elsewhere classified	24	260	1,071	270	1,876	919,510	1,333,581	2,788,500	116,392	6,838,718	3,933,826
Hat and cap materials, men's	8	27	422	486	267	73,407	295,443	2,231,130	20,514	3,029,730	778,086
Hats and caps, except felt and straw, men's	21	39	393	-------	83	94,107	451,364	842,101	10,143	1,793,409	941,165
Hats, fur-felt	20	125	1,666	1,305	1,360	496,398	2,371,075	6,170,668	142,647	10,245,352	3,932,037
Hats, straw, men's	4	43	231	20	125	128,331	240,887	619,056	13,164	1,142,044	509,824
House-furnishing goods, not elsewhere classified	17	90	630	150	975	289,908	530,372	2,305,187	43,200	4,203,606	1,855,219
Ice cream	136	280	1,166	2,093	9,939	616,397	1,857,665	6,600,438	365,789	15,229,030	8,262,803
Ice, manufactured	121	230	995	13,870	32,678	628,321	1,618,747	342,828	1,138,130	6,881,915	5,400,957
Ink, printing	11	63	215	578	1,769	231,553	347,654	1,959,850	55,490	4,590,737	2,575,397
Iron and steel: Steel works and rolling mills	17	1,304	8,056	36,263	47,027	3,095,493	12,739,751	20,333,186	3,454,925	54,895,192	31,057,087
Jewelry	121	585	2,381	298	1,472	2,060,765	3,703,610	6,759,664	84,450	17,220,166	10,376,052
Jewelry and instrument cases	12	44	280	120	85	184,961	390,522	424,051	10,478	1,181,991	747,462
Knit goods	83	405	6,827	1,020	2,481	1,594,216	9,854,539	17,438,086	241,704	35,480,337	17,800,547
Lace goods	4	28	215	522	203	76,894	267,539	304,240	33,860	910,066	571,966
Leather goods, not elsewhere classified	18	71	606	15	340	232,480	726,347	1,871,556	21,776	3,311,001	1,417,669
Leather: Tanned, curried, and finished	51	432	4,159	7,560	8,761	1,819,219	6,003,625	25,723,414	575,403	39,564,554	13,265,737
Linen goods	3	75	683	1,630	441	221,727	761,253	1,889,025	63,519	3,062,031	1,109,487
Lithographing	10	47	342	-------	359	163,554	511,230	563,183	16,819	1,619,254	1,039,252
Lubricating oils and greases, not made in petroleum refineries	16	176	934	1,449	624	609,214	1,370,232	12,072,730	140,769	21,847,476	9,633,977
Macaroni, spaghetti, vermicelli, and noodles	17	64	330	1,588	548	185,552	329,518	2,118,412	57,136	4,709,793	2,534,245
Machine-tool accessories and small metal-working tools, not elsewhere classified	43	130	936	-------	1,217	441,384	1,757,978	606,580	55,705	4,060,236	3,397,951
Machine tools	6	164	662	1,058	865	413,618	1,097,685	1,435,327	41,667	3,933,755	2,456,761
Marble, granite, slate, and other stone products	41	137	701	775	4,130	526,885	1,664,827	1,388,947	69,633	5,080,279	3,621,699
Meat packing, wholesale	34	589	2,817	6,480	4,630	1,332,965	4,605,828	75,158,571	483,648	88,945,411	13,303,192
Millinery	13	43	400	3	123	165,869	408,384	1,146,845	18,096	2,241,453	1,076,512
Minerals and earths, ground or otherwise treated	9	28	97	80	1,759	122,015	130,234	990,874	61,412	1,709,288	656,972
Mirrors, framed and unframed	16	37	232	-------	372	128,326	322,222	743,116	18,288	1,434,743	673,339

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [1]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Models and patterns, not including paper patterns	31	30	171	15	360	106,798	301,820	111,848	12,504	757,951	633,599
Motion pictures, not including projection in theaters	6	88	447	175	692	222,442	643,632	1,730,097	28,731	4,205,046	2,446,218
Motor-vehicle bodies and motor-vehicle parts	47	654	3,086	4,447	7,774	1,421,381	5,163,279	7,931,601	319,862	16,759,982	8,508,519
Motor vehicles, not including motorcycles	6	325	5,616	3,000	907	823,569	8,417,492	83,179,699	135,486	131,597,697	48,282,512
Musical instrument parts and materials: Piano and organ	6	61	216	640	248	135,121	245,244	333,644	24,626	812,806	454,536
Musical instruments and parts and materials, not elsewhere classified	4	33	194	4	387	74,658	221,201	239,077	15,068	720,143	465,998
Needles, pins, hooks and eyes, and snap fasteners	5	63	571	484	213	161,268	625,599	611,886	23,761	1,827,765	1,192,118
Nonferrous-metal alloys and products, not including aluminum products	80	682	4,149	4,288	41,639	1,655,026	6,362,375	67,769,092	1,201,853	94,955,465	25,984,518
Oils, not elsewhere classified	11	146	344	1,969	647	366,529	576,720	7,849,975	186,974	10,587,418	2,550,469
Optical goods	14	49	229	7	187	162,197	268,523	352,323	9,366	941,972	580,283
Paints and varnishes	88	1,683	4,510	5,980	16,716	4,856,387	6,955,557	48,244,905	1,269,834	82,292,896	32,778,157
Paper	35	415	4,143	58,764	20,898	1,657,834	5,985,057	17,589,554	3,230,195	37,743,106	16,653,357
Paper goods, not elsewhere classified	35	327	1,704	2,775	1,372	1,284,552	2,104,346	7,818,516	158,269	16,739,186	8,762,401
Patent or proprietary medicines and compounds	82	721	1,780	2,180	4,773	1,993,275	2,061,144	11,230,005	259,465	35,187,415	23,697,945
Paving materials: Asphalt, tar, crushed slag, and mixtures	5	44	99	100	538	138,132	155,756	322,737	21,274	1,185,865	841,854
Pencils, lead (including mechanical)	6	370	1,809	2,425	1,682	1,107,430	2,088,921	4,177,645	115,506	10,457,008	6,163,557
Pens, fountain and stylographic; pen points, gold, steel, and brass	17	185	1,302	135	930	456,989	1,662,799	3,101,785	55,568	9,588,783	6,431,430
Perfumes, cosmetics, and other toilet preparations	26	321	858	461	530	1,026,966	938,863	4,092,849	41,856	15,884,943	11,750,238
Petroleum refining	10	1,041	8,167	51,253	5,333	2,731,872	15,191,714	204,586,115	794,307	297,151,470	91,771,048
Photo-engraving, not done in printing establishments	10	50	218	-------	87	158,712	547,235	190,746	15,559	1,273,395	1,066,790
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	145	525	1,989	5,109	11,957	1,513,213	3,206,022	5,843,958	222,572	13,268,020	7,141,490
Plated ware	4	10	115	-------	107	44,581	150,356	144,523	10,069	417,936	263,344
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	11	149	1,034	1,400	2,539	500,317	1,484,440	3,084,178	185,506	5,109,714	1,840,030
Pocketbooks, purses, and cardcases	9	108	646	-------	97	370,675	829,923	1,445,061	14,058	4,090,527	2,631,408
Pottery, including porcelain ware	52	733	6,049	2,535	6,721	2,291,385	7,875,577	2,209,588	1,155,601	19,608,494	16,213,305
Poultry killing, dressing, and packing, wholesale	6	-------	18	-------	-------	-------	23,577	475,770	30	553,268	77,468
Printing and publishing, book and job	402	1,015	4,901	676	7,494	3,039,605	8,477,701	6,665,501	293,724	26,479,523	19,520,298
Printing and publishing, newspaper and periodical	248	3,119	3,076	1,372	6,331	6,746,391	7,183,063	5,975,010	388,964	31,985,491	25,618,517
Printing materials, not including type or ink	3	9	42	-------	233	31,639	89,907	78,551	5,127	315,320	231,642
Pumps (hand and power) and pumping equipment	12	685	2,238	6,720	1,095	1,793,055	3,803,904	5,633,422	219,939	17,461,718	11,608,357
Regalia, badges, and emblems	6	12	47	3	34	33,728	62,575	86,483	3,058	232,282	142,744
Roofing, built up and roll; asphalt shingles; roof coatings other than paint	11	170	1,011	185	3,836	354,425	1,747,045	10,655,858	405,584	17,264,373	6,202,931
Rubber goods other than tires, inner tubes, and boots and shoes	48	1,604	7,740	10,540	48,003	3,073,738	10,604,778	20,876,475	1,561,928	50,796,712	28,358,309
Rubber tires and inner tubes	6	441	1,999	6,800	5,452	996,866	2,641,180	6,491,962	299,779	11,386,447	4,594,706
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	29	75	252	-------	1,266	266,445	442,749	4,347,999	65,507	5,777,590	1,363,754
Scales and balances	8	59	266	-------	373	202,033	415,443	321,183	16,037	1,454,649	1,127,429
Screw-machine products and wood screws	6	48	230	25	113	129,289	393,953	451,100	15,800	1,252,968	786,068
Ship and boat building, steel and wooden, including repair work	41	897	7,551	15,123	25,478	2,500,653	12,383,750	5,940,562	485,059	29,620,600	20,214,979
Shirts	51	197	4,693	297	617	535,074	3,852,884	10,249,136	82,686	21,510,955	11,179,133
Signs and advertising novelties	40	342	1,115	567	673	803,518	1,561,070	1,641,203	49,887	5,503,512	3,902,722
Silk and rayon manufactures	631	1,581	21,419	7,525	19,385	5,144,892	28,069,752	67,637,973	1,254,948	126,307,368	57,414,677
Silversmithing and silverware	14	71	528	513	164	207,106	1,055,439	823,329	26,527	2,391,866	1,542,010
Smelting and refining, copper	3	564	3,730	58,565	2,425	1,392,364	6,445,004	274,916,965	2,056,908	302,546,434	25,572,561
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	7	32	205	-------	1,142	101,386	280,672	3,383,803	119,513	4,109,414	606,098
Sporting and athletic goods, not including firearms or ammunition	12	55	245	-------	459	205,932	285,938	784,289	18,955	1,724,512	921,268
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	40	351	2,780	1,185	2,533	1,040,867	3,395,497	4,732,161	265,900	12,900,676	7,902,615
Stationery goods, not elsewhere classified	11	89	452	145	290	206,279	689,589	896,956	16,442	2,448,659	1,535,261
Statuary and art goods, factory product	8	6	47	-------	9	14,940	76,968	74,095	2,440	206,937	130,402
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	14	94	387	900	469	256,174	641,016	1,366,316	60,669	3,191,378	1,764,393
Steam fittings and steam and hot-water heating apparatus	13	269	1,599	2,975	3,272	653,940	2,986,200	5,000,630	349,864	13,310,225	7,959,731
Steel barrels, kegs, and drums	4	33	375	-------	1,069	96,630	635,785	1,987,817	53,256	3,498,715	1,457,642
Stereotyping and electrotyping, not done in printing establishments	6	21	112	-------	348	78,033	240,529	87,988	17,067	607,337	502,282
Stoves and ranges (other than electric) and warm-air furnaces	13	280	1,144	900	2,704	737,240	1,716,340	2,516,706	125,145	7,092,339	4,450,488
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	81	587	2,763	3,228	9,167	1,930,699	4,450,044	16,404,842	274,339	29,142,480	12,463,299
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	24	165	498	1,085	3,572	819,203	823,302	6,801,881	151,562	11,143,491	4,190,045
Textile machinery and parts	43	203	1,107	760	1,511	681,765	1,660,995	2,183,213	75,122	5,787,973	3,529,638
Tin cans and other tinware, not elsewhere classified	8	267	2,539	1,465	3,526	607,639	3,519,599	9,522,759	162,122	16,134,952	6,450,071
Tools, not including edge tools, machine tools, files, or saws	25	106	644	397	1,373	266,893	943,643	836,141	87,016	3,316,203	2,393,046
Toys (not including children's wheel goods or sleds), games, and playground equipment	24	188	1,471	-------	365	555,993	1,608,146	2,507,002	62,039	6,858,240	4,289,179
Trunks, suitcases, and bags	20	78	734	650	400	310,226	1,064,051	1,966,356	24,722	4,164,841	2,173,763
Umbrellas, parasols, and canes	6	25	415	600	86	129,418	405,613	703,671	32,619	1,627,682	891,392

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Vinegar and cider	9	11	40	285	158	31,392	32,793	252,400	8,678	514,009	252,931
Wall paper	6	115	747	1,257	841	387,241	856,671	1,417,520	48,163	3,636,944	2,171,261
Wall plaster, wall board, insulating board, and floor composition	10	48	209	985	880	172,401	291,811	641,726	40,685	1,850,273	1,167,862
Waste	7	71	265	929	1,198	321,821	270,436	2,293,849	39,200	3,172,734	839,685
Window and door screens and weather strip	11	35	148	-------	261	97,740	193,403	229,887	9,400	779,885	540,598
Window shades and fixtures	22	58	189	-------	147	165,825	280,709	1,339,032	13,225	2,090,277	738,020
Wire, drawn from purchased bars or rods	12	249	1,988	3,074	12,732	734,659	3,067,774	6,506,099	574,131	15,794,950	8,714,720
Wirework, not elsewhere classified	32	196	1,329	500	2,259	576,851	1,774,103	3,775,876	120,528	8,683,494	4,787,090
Wood turned and shaped and other wooden goods, not elsewhere classified	23	43	176	143	619	107,301	208,301	280,795	20,187	787,877	486,895
Woolen goods	10	138	1,904	6,150	3,960	627,198	2,296,213	5,530,573	203,147	10,628,578	4,894,858
Worsted goods	13	983	7,293	27,347	2,254	2,723,775	8,700,919	20,505,648	523,256	38,415,458	17,386,554
Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills	3	21	67	270	418	49,318	109,104	238,080	17,016	631,934	376,838
Other industries	314	8,049	47,170	129,939	82,327	20,455,978	66,797,453	247,426,711	13,034,949	474,986,594	214,524,934

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 6,991 employees of central administrative offices, with salaries aggregating $17,258,405. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of an individual employee; included in items for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each industrial area (See GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEW YORK CITY INDUSTRIAL AREA											
[This area comprises Bergen, Essex, Hudson, Middlesex, Passaic and Union Counties, N. J., and Bronx, Kings, New York, Queens, Richmond, and Westchester Counties, N. Y. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnotes 1, 2, and 3), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	36,401	203,034	918,206	813,623	1,359,266	$595,159,467	$1,416,881,044	$4,797,132,925	$116,564,479	$9,424,294,682	$4,510,597,278
Aircraft and parts	11	362	1,512	-------	969	989,679	2,298,366	2,439,206	50,782	7,015,068	4,525,080
Artificial and preserved flowers and plants [1]	119	230	1,762	-------	274	611,265	2,022,750	2,953,423	36,926	8,349,344	5,358,995
Artificial leather	7	139	583	1,210	4,423	503,989	1,004,522	8,024,160	149,018	10,875,556	2,702,378
Artists' materials [2]	30	103	290	28	376	359,646	429,064	1,459,755	20,050	3,145,911	1,666,106
Awnings, tents, sails, and canvas covers	174	245	972	90	497	732,086	1,566,796	3,774,336	45,836	8,149,403	4,329,231
Bags, other than paper, not made in textile mills	35	220	1,544	1,340	1,083	838,038	1,654,496	21,482,269	65,890	26,096,733	4,548,574
Bags, paper, exclusive of those made in paper mills	26	192	946	-------	1,323	597,529	1,078,403	6,707,911	46,474	10,513,507	3,759,122
Baking powders, yeast, and other leavening compounds	11	155	832	12,796	1,881	570,184	1,260,820	5,075,075	334,757	10,476,286	5,066,454
Baskets and rattan and willow ware, not including furniture	21	38	232	75	62	109,059	299,649	396,407	7,014	1,043,385	639,964
Belting, leather	29	94	277	915	194	334,993	394,434	3,191,974	34,218	4,780,341	1,554,149
Beverages	353	959	3,462	19,553	8,766	2,850,279	5,969,228	9,937,093	1,008,751	31,545,253	20,599,409
Billiard and pool tables, bowling alleys, and accessories	13	14	81	-------	126	24,431	147,144	289,199	5,443	620,717	326,075
Blacking, stains, and dressings	19	119	307	405	239	403,388	372,325	1,688,437	27,983	4,447,947	2,731,527
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	10	183	1,012	1,940	2,927	609,204	1,778,889	2,474,184	145,609	7,034,664	4,414,871
Bookbinding and blank-book making	412	1,301	9,223	24	6,862	3,769,728	12,375,195	10,259,260	334,512	34,875,239	24,281,467
Boot and shoe cut stock, not made in boot and shoe factories	25	25	144	-------	81	62,394	204,927	2,551,271	5,344	3,552,374	995,759
Boot and shoe findings, not made in boot and shoe factories	43	252	1,031	205	1,528	564,434	1,391,838	2,591,720	75,841	5,980,104	3,312,543
Boots and shoes, other than rubber	275	1,840	15,572	1,242	7,464	5,973,341	25,136,283	39,265,808	474,179	87,719,985	47,979,998
Boxes, cigar, wooden	10	55	584	90	442	229,357	628,012	701,568	18,930	1,927,542	1,207,044
Boxes, paper, not elsewhere classified	295	1,316	9,041	1,824	7,978	4,608,802	10,335,794	22,301,272	419,502	47,482,967	24,762,193
Boxes, wooden, except cigar boxes	59	199	1,420	661	4,402	641,134	2,061,866	6,361,570	107,818	11,642,439	5,173,051
Bread and other bakery products	2,812	3,334	29,572	6,645	37,585	8,448,224	48,099,734	117,304,083	5,024,875	266,790,928	144,461,970
Brooms	20	9	67	-------	104	17,673	98,391	290,306	4,601	533,226	238,319

See footnotes at end of this section, p. 334.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEW YORK CITY INDUSTRIAL AREA—Continued											
Brushes, other than rubber	79	285	1,839	377	1,644	$965,470	$2,134,034	$6,184,030	$143,492	$12,361,965	$6,034,443
Buttons	104	265	2,381	685	2,458	734,186	2,746,614	3,783,204	145,232	9,585,049	5,656,613
Candles	7	32	215	98	109	168,394	282,346	868,413	14,494	1,844,612	961,705
Canning and preserving: Fish, crabs, shrimps, oysters, and clams [3]	23	85	236	-------	248	288,838	287,741	4,435,677	47,987	7,200,887	2,717,223
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	75	352	1,850	661	2,523	1,047,603	1,993,785	19,356,045	136,480	31,202,826	11,710,301
Car and general construction and repairs, electric-railroad repair shops	34	675	7,946	-------	14,886	1,556,762	13,865,658	7,628,585	558,747	23,636,724	15,449,392
Car and general construction and repairs, steam-railroad repair shops	40	796	9,468	9,643	9,515	2,037,206	16,310,108	8,369,684	684,422	27,404,050	18,349,944
Carbon paper and inked ribbons	16	118	310	456	1,187	441,107	457,808	1,809,118	37,168	4,052,012	2,205,726
Card cutting and designing	26	91	362	-------	300	243,563	494,154	1,137,049	12,719	2,538,670	1,388,902
Carpets and rugs, rag	9	6	67	-------	43	9,389	54,405	64,643	2,514	238,676	171,519
Carriages and sleds, children's	16	35	297	-------	251	95,880	382,636	858,727	15,946	1,680,501	805,828
Carriages, wagons, sleighs, and sleds	6	51	129	-------	265	174,702	307,309	984,341	7,897	1,909,667	917,429
Cash registers and adding, calculating, and card-tabulating machines	9	228	862	-------	883	743,077	1,360,108	745,068	38,064	5,696,931	4,913,799
Caskets, coffins, burial cases, and other morticians' goods	29	146	881	677	1,816	644,096	1,259,702	2,934,845	64,389	7,548,608	4,549,374
Cheese	8	3	13	5	6	6,545	18,690	268,648	4,267	342,952	70,037
Chemicals, not elsewhere classified	141	2,919	11,416	44,302	41,651	8,933,098	17,883,481	72,494,129	4,092,080	135,834,320	59,248,111
China firing and decorating, not done in potteries	9	10	70	-------	23	20,135	111,864	166,104	12,245	446,958	268,609
Chocolate and cocoa products, not including confectionery	17	255	1,396	4,050	8,291	711,321	1,696,644	13,350,751	409,796	19,814,060	6,053,513
Cigars and cigarettes	353	851	12,624	441	4,075	2,376,333	12,414,386	44,964,333	241,647	129,655,816	84,449,836
Clay products (other than pottery) and nonclay refractories	42	578	4,868	6,592	10,534	1,501,751	6,588,314	2,677,260	1,828,424	18,427,668	13,921,984
Cleaning and polishing preparations	68	428	673	450	1,794	1,200,795	823,912	3,619,316	60,893	10,266,340	6,586,131
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	1,809	3,935	33,634	625	6,776	12,013,574	50,473,003	166,555,006	1,009,344	338,500,954	170,936,604
Clothing, men's, buttonholes	16	6	82	6	34	11,445	96,503	15,696	1,113	188,305	171,496
Clothing, women's, not elsewhere classified	6,781	19,205	104,202	21	18,755	63,156,261	166,968,722	723,673,594	3,132,148	1,313,449,686	586,643,944
Clothing, work (including sheep-lined and blanket-lined work coats, but not including shirts), men's	32	79	711	-------	182	235,938	934,430	3,807,211	15,868	6,099,388	2,276,309
Coffee and spice, roasting and grinding	91	677	1,426	873	5,882	1,846,396	1,799,204	66,342,466	396,376	84,222,194	17,483,352
Compressed and liquefied gases	16	209	404	1,814	4,235	462,910	723,318	564,960	343,164	4,748,841	3,840,717
Concrete products	166	321	1,362	340	6,835	919,496	2,361,701	2,946,991	169,735	9,451,322	6,334,596
Confectionery	183	1,077	9,365	7,269	11,064	2,972,028	9,243,903	26,143,603	775,673	53,821,460	26,902,184
Cooperage	28	99	1,061	1,496	914	320,218	1,493,970	4,202,021	73,201	7,051,718	2,776,496
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	305	816	3,105	256	3,605	2,608,297	6,170,513	9,720,905	165,598	23,815,371	13,928,868
Cordage and twine	12	219	2,058	6,025	6,166	596,167	2,299,595	6,652,209	212,157	12,512,810	5,648,444
Corsets and allied garments	128	767	4,873	150	1,104	2,531,648	5,017,044	14,856,070	96,595	29,104,281	14,151,616
Cotton goods	23	182	3,684	16,260	3,689	643,468	4,216,862	6,974,036	328,325	13,665,100	6,362,739
Cotton small wares	22	70	545	622	531	259,381	712,995	1,557,016	46,336	3,384,153	1,780,801
Cutlery (not including silver and plated cutlery) and edge tools	35	347	2,252	800	3,329	1,315,060	2,799,149	3,164,723	161,865	14,898,571	11,571,983
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	5	46	141	-------	211	192,102	287,709	763,666	6,279	1,400,411	630,466
Dental goods and equipment	19	248	981	2,080	366	685,973	1,266,674	6,699,527	53,265	9,587,108	3,834,316
Doors, shutters, and window sash and frames, metal	57	383	2,178	355	3,863	1,332,204	4,683,435	5,826,479	110,159	15,486,786	9,550,148
Druggists' preparations	70	582	1,344	60	1,379	1,801,271	1,518,013	5,262,953	127,968	15,946,213	10,555,292
Drug grinding	9	45	159	264	1,477	109,848	241,681	1,088,152	49,335	1,937,995	800,508
Dyeing and finishing textiles	292	3,226	25,058	33,658	36,613	10,862,737	32,937,737	46,778,202	5,955,472	126,556,752	73,823,078
Electrical machinery, apparatus, and supplies	340	16,248	54,553	24,408	68,840	32,113,257	69,943,145	175,979,064	3,155,832	378,720,715	199,685,819
Electroplating	88	150	786	35	2,441	442,985	1,442,427	519,524	116,722	3,617,727	2,981,481
Embroideries	692	566	5,141	-------	1,781	1,427,264	6,393,412	5,133,126	194,119	20,804,186	15,476,941
Emery wheels and other abrasive and polishing appliances	8	15	110	50	180	37,440	129,408	399,465	8,801	673,718	265,452
Engraving (other than steel, copperplate, or wood), cbasing, etcbing, and diesinking	71	164	837	-------	1,095	513,148	1,227,019	1,108,401	47,487	4,527,961	3,372,073
Engraving, steel and copperplate, and plate printing	122	661	3,845	62	4,015	2,019,790	6,911,389	3,762,133	142,637	18,504,776	14,600,006
Engraving, wood	7	12	39	-------	33	27,504	66,662	16,165	932	164,589	147,492
Envelopes	33	308	1,320	360	1,297	863,601	1,543,291	3,553,417	72,473	7,830,533	4,204,643
Fancy and miscellaneous articles, not elsewhere classified	390	1,302	7,752	163	4,076	4,056,776	8,816,570	18,178,172	281,293	43,392,547	24,933,082
Feathers, plumes, and manufactures thereof	34	44	231	1	59	99,967	281,062	336,033	4,976	988,616	647,607
Feeds, prepared, for animals and fowls	9	98	325	685	950	204,659	458,423	1,569,068	83,742	3,514,837	1,862,027
Fertilizers	7	97	448	1,200	2,317	257,323	582,354	3,437,207	71,240	5,189,131	1,680,684
Files	7	79	675	1,160	704	249,366	978,147	349,130	78,859	2,357,781	1,929,792
Fireworks	6	17	283	170	172	36,020	358,374	653,228	23,549	1,444,786	768,009
Flags and banners	17	74	403	30	116	135,908	337,648	570,138	11,238	1,381,495	800,119
Flavoring extracts and flavoring sirups	125	419	760	1,416	2,435	1,452,945	1,178,121	7,819,743	242,946	15,762,417	7,699,728
Food preparations, not elsewhere classified	99	830	1,897	435	3,978	2,500,763	2,428,146	16,278,077	201,291	30,781,592	14,302,224
Forgings, iron and steel, not made in plants operated in connection with rolling mills	15	266	844	5,148	1,539	457,726	1,482,856	1,883,196	209,502	5,336,824	3,244,126
Foundry and machine-shop products, not elsewhere classified	734	7,742	34,924	31,591	74,032	23,036,023	59,954,338	68,548,887	3,462,398	212,634,583	140,623,298
Fur goods	2,019	2,818	10,680	12	3,344	9,175,334	24,943,367	118,991,973	379,231	227,424,913	78,053,709

See footnotes at end of this section, p. 334.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of product [a]	Value added by manufacture [b]
NEW YORK CITY INDUSTRIAL AREA—Continued											
Furnishing goods, men's, not elsewhere classified	288	873	5,570	-------	998	$2,792,922	$7,959,725	$34,167,016	$134,508	$61,832,456	$27,530,932
Furniture, including store and office fixtures	622	2,395	12,862	1,629	24,710	8,261,758	23,919,691	40,668,915	774,221	95,452,423	54,009,287
Furs, dressed	207	644	4,247	580	6,874	2,732,244	7,301,455	14,610,116	318,402	33,954,810	19,026,292
Galvanizing and other coating, not done in plants operated in connection with rolling mills	5	19	144	-------	80	50,912	198,993	307,755	27,545	824,943	489,643
Gas and electric fixtures; lamps, lanterns, and reflectors	218	1,253	5,696	460	5,014	3,967,316	8,789,616	16,273,943	350,431	38,773,721	22,149,347
Gas machines, gas meters, and water and other liquid meters	14	298	1,462	-------	2,471	890,271	2,188,073	2,951,924	120,013	8,637,271	5,565,334
Gas, manufactured, illuminating and heating	15	4,879	8,865	93,448	19,068	8,926,403	12,456,661	22,882,852	22,611,406	112,118,361	66,624,103
Glass	9	65	582	720	1,823	243,286	815,776	469,601	237,386	3,213,895	2,506,908
Glass products (except mirrors) made from purchased glass	105	286	1,613	90	1,421	925,375	2,462,172	5,467,758	119,501	11,251,249	5,663,990
Gloves and mittens, leather	17	37	268	-------	28	72,428	400,618	498,573	2,866	1,202,341	700,902
Glue and gelatin	12	39	151	37	824	142,524	224,593	2,019,204	43,001	3,112,620	1,050,415
Gold leaf and foil	24	10	258	-------	95	53,558	260,580	517,067	9,300	1,178,746	652,379
Grease and tallow, not including lubricating greases	22	165	652	1,805	1,476	492,059	1,037,245	8,192,286	192,009	11,053,868	2,669,573
Hair work [c]	32	58	225	1	19	120,874	284,574	413,366	6,469	1,180,223	760,388
Handkerchiefs	69	307	3,573	1,035	666	854,424	2,901,406	9,904,170	75,236	19,070,858	9,091,452
Hand stamps and stencils and brands	58	183	691	-------	415	489,243	989,772	649,242	28,163	3,259,778	2,582,373
Hardware not elsewhere classified	65	481	2,590	729	4,032	1,811,199	3,453,064	4,453,354	214,635	12,860,942	8,192,953
Hats and caps, except felt and straw, men's	231	282	2,144	3	750	708,127	3,463,776	6,921,116	64,056	15,272,330	8,287,158
Hats, straw, men's	25	161	1,290	20	343	618,576	1,704,020	4,057,312	35,869	8,722,712	4,629,531
House-furnishing goods, not elsewhere classified	407	1,101	6,413	465	4,240	3,224,125	7,206,816	34,824,608	240,699	56,385,432	21,320,125
Ice cream	278	784	2,736	2,765	24,771	1,877,952	4,638,798	19,940,869	850,141	41,952,934	21,161,924
Ice, manufactured	150	258	2,345	11,644	50,865	832,987	4,208,870	1,028,934	3,600,753	22,569,278	17,939,591
Ink, printing [c]	50	412	1,069	2,892	5,637	1,891,787	1,875,611	7,971,700	259,038	19,172,925	10,942,187
Instruments, professional and scientific	77	948	2,896	1,109	2,674	2,437,451	4,315,556	5,021,772	169,180	19,768,248	14,577,296
Jewelry	655	2,025	7,265	628	4,222	6,984,267	13,938,865	36,875,230	220,245	75,838,372	38,742,897
Jewelry and instrument cases	60	140	954	120	389	439,201	1,269,461	1,454,045	30,253	4,175,994	2,691,696
Knit goods	469	1,769	13,989	1,735	6,933	5,817,657	19,320,927	56,068,083	644,872	107,184,673	60,471,718
Labels and tags	50	315	1,204	-------	1,796	978,319	1,874,158	2,904,329	71,945	8,005,513	6,029,239
Lapidary work	74	93	379	-------	349	335,022	777,070	7,872,536	12,978	11,084,188	3,198,674
Lasts and related products	5	31	194	-------	775	109,989	283,428	241,763	18,928	913,841	653,150
Leather goods, not elsewhere classified	196	423	2,945	13	1,128	1,275,826	3,729,343	10,282,590	77,647	18,772,623	8,412,386
Leather: Tanned, curried, and finished	55	350	2,906	3,575	7,645	1,644,787	4,457,168	19,111,743	437,969	30,342,378	10,792,666
Lithographing	113	1,290	6,245	880	7,473	4,646,312	10,038,315	11,010,676	351,484	35,076,478	23,714,318
Lubricating oils and greases, not made in petroleum refineries	23	200	951	1,483	671	667,413	1,398,701	12,420,002	143,222	22,437,487	9,874,263
Lumber and timber products, not elsewhere classified	7	75	507	2,225	938	222,302	618,293	3,021,880	41,538	4,714,740	1,651,322
Macaroni, spagbetti, vermicelli, and noodles	90	235	1,498	2,184	6,907	682,797	1,848,603	8,830,129	334,157	16,863,720	7,699,434
Machine-tool accessories and small metal-working tools, not elsewhere classified	82	210	1,369	-------	1,867	707,521	2,484,415	890,225	79,026	5,972,934	5,003,683
Machine tools	11	211	731	525	1,152	577,705	1,255,320	1,367,686	47,633	4,663,526	3,248,207
Marble, granite, slate, and other stone products	219	800	4,334	2,790	25,681	3,244,916	11,311,728	9,001,256	622,969	30,853,084	21,328,859
Mattresses and bed springs, not elsewhere classified	180	508	2,293	1,305	3,204	1,261,693	3,873,280	11,493,924	174,529	25,306,567	13,638,114
Meat packing, wholesale	88	1,599	7,337	14,055	9,800	4,105,108	12,470,003	220,256,878	1,433,009	262,355,754	40,665,867
Millinery	857	3,232	16,766	39	4,239	10,462,196	26,871,645	63,879,593	657,453	127,025,151	62,488,105
Minerals and earths, ground or otherwise treated	10	29	135	180	1,163	82,935	192,731	981,451	65,173	1,907,391	860,767
Mirror and picture frames	55	178	790	-------	969	614,506	1,197,651	1,733,956	41,038	4,761,571	2,986,577
Mirrors, framed and unframed	82	275	1,289	160	1,485	773,133	2,162,739	3,609,802	95,077	8,295,889	4,591,010
Models and patterns, not including paper patterns	117	186	834	79	1,232	640,361	1,585,406	877,659	51,939	4,738,241	3,808,643
Motion pictures, not including projection in theaters	36	1,243	2,142	439	3,278	6,407,085	4,292,893	11,010,041	210,250	48,076,986	36,856,695
Motor-vehicle bodies and motor-vehicle parts	132	1,029	6,869	4,432	12,865	2,618,903	10,093,181	20,256,823	514,282	37,498,266	16,727,161
Musical instrument parts and materials: Piano and organ	18	143	701	1,150	1,207	376,932	812,551	838,209	62,567	2,779,267	1,878,491
Nonferrous-metal alloys and products, not including aluminum products	230	1,635	8,031	17,350	42,725	4,778,689	13,198,510	93,849,552	1,686,620	141,432,259	45,996,087
Oils, essential	6	27	83	280	39	111,427	143,898	1,650,062	34,451	2,228,153	543,640
Optical goods	44	207	1,006	7	935	709,175	1,460,274	1,686,661	69,268	5,942,573	3,986,644
Paints and varnishes	206	2,851	7,667	9,641	29,117	9,397,152	11,887,246	89,991,949	1,807,532	150,428,988	58,629,507
Paper	21	182	1,744	19,520	9,301	689,624	2,808,663	6,966,343	1,374,370	14,746,345	6,405,632
Paper goods, not elsewhere classified	108	888	4,171	4,773	4,448	2,984,380	4,858,263	16,849,074	312,251	35,759,312	18,597,987
Patent or proprietary medicines and compounds	219	1,655	3,327	2,681	5,575	5,423,866	4,026,218	19,266,644	366,920	69,279,963	49,646,399
Paving materials: Asphalt, tar, crushed slag, and mixtures	5	75	173	920	658	268,241	318,223	425,271	14,130	1,663,930	1,194,529
Perfumes, cosmetics, and other toilet preparations	299	3,101	7,045	1,299	4,887	8,237,191	7,842,319	31,441,972	315,700	111,446,871	79,689,199
Phonographs	17	84	570	1,900	225	236,389	591,660	1,179,715	85,569	2,768,514	1,503,230
Photo-engraving, not done in printing establishments	92	975	3,052	-------	1,445	3,576,813	9,196,313	2,492,055	259,576	19,748,687	16,997,056
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	309	1,224	5,024	10,416	25,656	4,124,621	9,267,420	17,612,631	619,372	40,098,829	21,966,826
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	30	218	840	160	2,025	601,315	1,273,741	2,718,140	112,099	6,029,361	3,199,122
Pocketbooks, purses, and card cases	189	840	6,126	-------	993	3,143,230	11,256,108	25,865,949	99,755	48,377,038	22,411,334
Pottery, including porcelain ware	12	110	765	445	1,817	358,817	1,172,816	239,820	219,976	3,065,963	2,606,167

See footnotes at end of this section, p. 334.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See beadnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
NEW YORK CITY INDUSTRIAL AREA—Continued											
Poultry killing, dressing, and packing, wholesale	28	50	202	100	113	$134,164	$261,262	$3,420,277	$8,036	$4,318,441	$890,128
Printing and publishing, book and job	2,345	12,123	30,726	719	37,983	34,766,874	61,282,469	56,358,235	2,039,906	266,166,606	207,768,465
Printing and publishing, music	61	804	491	-------	507	2,535,088	842,607	883,107	20,888	9,799,035	8,895,040
Printing and publishing, newspaper and periodical	926	28,911	15,714	2,184	34,084	79,326,161	42,808,859	81,491,652	1,761,282	394,928,832	311,675,898
Printing materials, not including type or ink	12	52	159	160	263	183,960	294,092	354,558	25,057	1,500,700	1,121,085
Pumps (hand and power) and pumping equipment	22	479	1,656	4,155	716	1,335,939	2,836,008	4,365,077	161,004	12,125,090	7,599,009
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	31	93	323	350	623	249,485	658,280	1,158,144	25,081	2,751,623	1,568,400
Regalia, badges, and emblems	18	66	205	3	161	143,539	230,502	491,138	5,649	1,197,578	700,791
Rubber goods other than tires, inner tubes, and boots and shoes	60	1,071	7,349	7,985	28,350	2,796,388	9,870,530	20,217,004	892,019	47,958,017	26,848,994
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	79	130	488	-------	2,178	413,372	902,658	8,660,681	135,474	11,641,461	2,845,306
Saws	5	-------	7	-------	29	----------	8,687	19,147	577	50,363	30,639
Screw-machine products and wood screws	19	88	481	25	796	324,732	830,710	1,105,813	49,593	3,582,581	2,427,168
Ship and boat building, steel and wooden, including repair work	64	1,354	13,224	2,236	80,696	3,943,956	24,258,410	14,617,536	958,439	54,491,895	38,915,920
Shirts	249	717	7,298	297	1,348	2,011,280	7,514,833	36,531,712	148,765	70,010,178	33,329,701
Signs and advertising novelties	239	853	3,140	577	1,895	2,451,366	5,087,213	5,896,689	131,981	19,532,174	13,503,504
Silk and rayon manufactures	703	1,924	22,090	4,447	21,582	5,912,908	29,349,017	94,276,342	1,283,398	166,384,955	70,825,215
Silversmithing and silverware	40	186	869	513	664	500,064	1,786,508	1,885,719	53,621	5,018,903	3,079,565
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	14	75	307	-------	868	320,367	446,547	7,819,695	111,389	9,338,717	1,407,633
Soap	43	1,490	3,844	10,200	6,092	3,433,237	5,429,799	44,807,249	924,454	79,978,151	34,246,448
Soda-water apparatus	17	53	127	-------	310	194,000	244,285	702,286	10,180	1,409,490	697,024
Sporting and athletic goods, not including firearms or ammunition	30	113	597	50	733	319,559	815,013	1,528,517	30,576	3,585,033	2,025,940
Springs, steel, except wire, not made in plants operated in connection with rolling mills	7	29	127	200	103	111,124	221,753	251,108	36,653	844,309	556,548
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	101	892	5,627	2,904	7,928	2,800,572	6,969,069	12,112,488	573,341	30,275,947	17,590,118
Stationery goods, not elsewhere classified	47	332	1,622	311	1,143	1,105,930	2,100,844	3,525,033	63,939	8,935,148	5,346,176
Statuary and art goods, factory product	39	91	526	-------	179	332,692	1,404,316	507,467	19,956	2,905,259	2,377,836
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	40	139	362	540	952	564,486	653,644	1,925,101	68,411	4,324,419	2,330,907
Steam fittings and steam and hot-water heating apparatus	20	206	1,663	3,010	1,721	644,322	2,580,845	3,434,454	280,738	9,032,048	5,316,856
Stereotyping and electrotyping, not done in printing establishments	37	317	1,267	145	4,112	1,160,135	3,220,051	1,139,191	230,392	7,841,969	6,472,386
Stoves and ranges (other than electric) and warm-air furnaces	24	325	1,450	900	3,511	972,587	2,184,473	3,507,760	159,877	8,987,531	5,319,894
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	331	1,713	7,024	2,294	18,452	5,613,219	13,080,149	30,188,041	506,973	63,944,802	33,249,788
Surgical and orthopedic appliances, including artificial limbs	75	776	2,699	350	861	2,338,878	3,282,740	11,326,130	184,187	25,300,714	13,790,397
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	28	214	650	1,450	3,327	995,139	1,160,964	8,440,011	210,458	13,879,943	5,229,474
Textile machinery and parts	50	214	1,161	610	1,687	699,419	1,713,367	2,193,869	78,780	5,932,880	3,660,231
Theatrical scenery and stage equipment [3]	20	64	201	-------	318	320,028	404,935	801,127	11,580	2,297,033	1,484,326
Tin cans and other tinware, not elsewhere classified	44	686	6,026	4,516	7,606	1,594,296	7,881,150	19,694,517	440,227	35,791,832	15,657,088
Tools, not including edge tools, machine tools, files, or saws	69	168	898	453	1,738	477,157	1,342,516	1,733,899	106,702	5,573,201	3,732,600
Toys (not including children's wheel goods or sleds), games, and playground equipment	178	685	4,644	-------	2,239	1,928,590	5,804,289	11,133,709	234,508	26,397,662	15,029,445
Trimmings (not made in textile mills) and stamped art goods for embroidering	459	1,086	5,712	12	1,956	2,870,940	7,524,517	15,113,326	275,825	33,531,653	18,142,502
Trunks, suitcases, and bags	151	414	2,199	525	1,092	1,278,531	3,370,694	7,175,362	66,768	15,044,501	7,802,371
Typewriters and parts	6	107	567	-------	167	305,789	691,442	291,937	20,327	2,060,492	1,778,228
Vinegar and cider	4	2	10	15	57	(4)	7,349	35,900	3,140	66,192	27,152
Wall paper	9	145	875	1,347	898	451,808	1,004,163	1,636,112	61,233	4,317,141	2,619,796
Wall plaster, wallboard, insulating board, and floor composition	26	123	696	985	13,190	390,102	1,127,921	2,797,601	423,571	8,023,237	4,802,065
Waste	13	80	319	1,049	1,321	355,843	322,634	2,518,296	47,535	3,629,433	1,063,602
Watch and clock materials and parts, except watchcases	3	4	17	-------	5	14,250	23,086	30,282	220	97,250	66,748
Window and door screens and weather strip	40	87	270	5	558	252,163	406,607	679,390	23,240	1,861,485	1,158,855
Window shades and fixtures	122	156	595	-------	683	429,003	821,850	3,762,574	30,940	6,445,609	2,652,095
Wire, drawn from purchased bars or rods	12	212	1,776	4,199	5,754	689,739	3,249,063	7,973,196	500,255	16,093,936	7,620,485
Wirework, not elsewhere classified	100	461	2,521	510	3,551	1,501,315	3,524,174	5,641,260	197,740	14,739,129	8,900,129
Wood preserving	4	38	301	600	601	87,979	345,080	3,431,546	67,343	4,262,798	763,909
Wood turned and shaped and other wooden goods, not elsewhere classified	72	121	434	175	1,551	331,938	696,250	1,576,418	40,256	3,862,385	2,245,711
Worsted goods	8	926	6,119	24,125	1,392	2,516,279	7,518,480	16,253,450	441,037	31,540,184	14,845,697
Other industries	945	12,036	87,174	244,400	142,899	34,402,939	128,252,041	1,127,153,168	19,343,306	1,589,241,462	442,744,988

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside the New York City Industrial Area have been included with those for the area, as specified in footnotes 1, 2, and 3, to avoid disclosing, exactly or approximately, the data reported by individual establishments.

[1] Includes data for 2 establishments located outside the New York City Industrial Area.

[2] Includes data for 3 establishments located outside the New York City Industrial Area.

[3] Includes data for 1 establishment located outside the New York City Industrial Area.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
PHILADELPHIA INDUSTRIAL AREA											
[This area comprises Burlington, Camden, and Gloucester Counties, N. J., and Bucks, Chester, Delaware, Montgomery, and Philadelphia (coextensive with Philadelphia City) Counties, Pa. For statistics by industries for the area as a whole, see report for Pennsylvania]											
All industries, total	7,184	62,880	376,009	592,516	775,790	$169,510,736	$510,540,601	$1,488,231,423	$61,327,673	$2,981,045,661	$1,431,486,565
BERGEN COUNTY											
All industries, total	406	3,434	23,775	73,142	33,091	$9,962,219	$32,766,520	$125,544,965	$4,821,035	$209,174,243	$77,808,243
Awnings, tents, sails and canvas covers	3	1	14	-------	5	(c)	15,570	38,500	220	77,500	38,780
Beverages	10	8	26	-------	88	18,140	34,287	77,678	6,320	227,099	143,095
Bread and other bakery products	65	18	227	2	371	39,399	365,394	884,458	56,170	1,861,366	920,738
Chemicals, not elsewhere classified	8	77	631	4,215	1,404	310,624	934,183	6,965,103	255,827	10,016,968	2,796,038
Clay products (other than pottery) and non-clay refractories	5	19	144	-------	1,400	53,700	226,674	19,102	82,294	480,621	379,225
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	14	36	420	-------	87	77,635	369,414	351,968	13,376	997,848	632,504
Clothing, women's, not elsewhere classified	24	60	741	-------	106	194,289	825,857	1,314,275	16,655	2,961,060	1,630,132
Concrete products	19	39	158	-------	764	100,992	264,662	392,252	25,918	972,532	554,365
Dyeing and finishing textiles	14	738	6,304	15,507	4,481	2,319,825	8,407,416	9,338,130	1,431,967	28,310,723	17,540,626
Embroideries	13	16	119	-------	45	36,617	150,840	91,160	7,408	436,668	338,100
Foundry and machine-shop products, not elsewhere classified	7	50	552	300	1,431	146,998	842,338	889,277	73,897	2,743,758	1,780,584
Ice cream	5	15	34	-------	115	40,694	45,356	151,207	13,267	335,450	170,976
Ice, manufactured	7	13	32	80	1,354	54,846	59,158	13,364	61,688	280,061	205,009
Marble, granite, slate, and other stone products	4	3	18	-------	166	7,600	36,268	63,710	2,341	154,775	88,724
Nonferrous-metal alloys and products, not including aluminum products	3	29	61	-------	88	87,892	130,187	277,228	12,407	580,244	290,609
Paper	6	99	959	13,344	2,440	385,075	1,529,835	3,757,539	688,201	7,887,727	3,441,987
Paper goods, not elsewhere classified	6	29	258	480	312	195,909	369,364	1,443,584	23,981	2,759,579	1,292,014
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	7	38	121	540	973	140,420	162,873	375,635	22,643	833,144	434,866
Printing and publishing, book and job	16	19	56	3	98	60,401	95,879	83,830	4,729	367,131	278,572
Printing and publishing, newspaper and periodical	20	214	109	-------	260	317,681	249,589	178,527	14,364	1,404,369	1,211,478
Silk and rayon manufactures	7	42	821	75	572	78,800	1,082,960	1,540,314	48,178	3,629,391	2,040,899
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	23	33	-------	201	47,136	54,949	291,401	4,181	673,601	378,019
Other industries	139	1,848	11,929	38,596	16,330	5,248,476	16,513,467	98,006,725	1,955,000	141,182,628	41,220,903
BURLINGTON COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industries—"Cast-iron pipe," as measured by number of wage earners, and "Iron and steel: Steel works and rolling mills," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	118	1,017	9,587	8,110	18,538	$2,625,877	$12,135,706	$22,819,789	$2,080,697	$50,297,166	$25,396,680
CAMDEN COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industries—"Phonographs," as measured by number of wage earners, and "Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	316	5,033	33,736	85,448	40,297	$12,410,940	$42,208,892	$148,060,942	$5,300,366	$302,180,164	$148,818,856

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[c] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ESSEX COUNTY											
All industries, total	2,270	18,156	92,144	58,183	164,213	$52,909,537	$129,354,661	$374,305,551	$9,432,517	$757,312,601	$373,574,533
Awnings, tents, sails, and canvas covers	18	22	80	-------	100	55,630	89,553	279,275	8,958	565,901	277,668
Beverages	35	251	744	1,677	1,078	673,677	1,354,010	1,463,132	116,833	6,341,159	4,761,194
Bookbinding and blank-book making	12	12	178	-------	139	38,504	289,291	142,801	5,644	710,543	562,098
Boxes, paper, not elsewhere classified	21	91	658	5	726	342,706	647,139	993,928	27,750	2,520,412	1,498,734
Boxes, wooden, except cigar boxes	6	22	193	-------	519	94,412	261,277	596,381	13,274	1,154,530	544,875
Bread and other bakery products	249	216	2,855	622	4,000	543,001	4,416,935	10,513,569	468,066	22,685,305	11,703,670
Brushes, other than rubber	18	104	602	360	650	400,231	668,915	1,818,774	67,098	4,068,135	2,182,263
Buttons	18	93	972	650	875	233,276	1,122,928	1,093,606	63,650	2,971,115	1,813,859
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	9	27	146	-------	51	87,731	120,737	951,363	6,002	1,641,713	684,348
Chemicals, not elsewhere classified	31	682	2,325	7,944	5,004	2,125,540	3,494,844	12,213,367	586,950	21,995,417	9,195,100
Cleaning and polishing preparations	9	51	59	-------	85	166,343	69,259	488,678	5,258	1,295,025	801,089
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	65	103	1,919	-------	257	351,696	2,684,191	1,827,007	51,669	6,579,655	4,700,979
Clothing, women's, not elsewhere classified	59	122	1,766	1	400	355,209	1,690,070	2,122,400	36,923	5,545,025	3,385,702
Compressed and liquefied gases	3	109	118	450	1,626	286,898	210,973	255,780	111,426	1,862,002	1,494,796
Concrete products	30	67	277	73	835	179,397	420,134	751,699	33,253	2,117,672	1,332,720
Confectionery	14	59	667	335	387	151,939	639,052	1,403,074	44,417	2,772,985	1,325,494
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	45	94	403	160	419	284,355	720,888	1,100,295	21,743	2,602,138	1,480,100
Corsets and allied garments	9	261	1,132	150	340	749,767	1,114,836	3,120,024	28,338	6,232,831	3,084,469
Druggists' preparations	11	143	277	-------	160	531,283	324,731	951,108	19,361	3,869,384	2,898,915
Dyeing and finishing textiles	8	33	746	1,676	517	125,107	962,428	642,600	99,981	2,095,082	1,352,501
Electrical machinery, apparatus, and supplies	80	4,057	22,151	3,390	29,047	9,466,434	27,427,549	47,067,072	1,369,785	124,205,891	75,769,034
Electroplating	10	22	124	20	350	49,312	222,311	88,890	15,362	542,619	438,367
Engraving, steel and copperplate, and plate printing	8	36	338	55	129	203,719	557,981	48,197	9,911	1,212,098	1,153,990
Fancy and miscellaneous articles, not elsewhere classified	14	157	845	60	557	584,387	1,051,039	979,007	34,127	4,755,768	3,742,634
Flavoring extracts and flavoring sirups	8	73	129	450	375	296,742	233,357	1,281,074	87,929	2,179,698	810,695
Food preparations, not elsewhere classified	8	41	91	-------	284	150,336	78,375	671,822	6,754	1,163,533	484,957
Foundry and machine-shop products, not elsewhere classified	115	897	4,449	2,766	7,996	2,829,822	8,068,821	8,181,848	498,383	27,097,709	18,417,478
Fur goods	8	10	50	12	38	27,321	101,159	214,909	3,894	457,303	238,500
Furniture, including store and office fixtures	27	96	448	-------	774	330,107	928,667	1,597,535	35,536	3,612,466	1,979,395
Furs, dressed	9	116	923	250	1,558	461,844	1,469,861	490,799	81,091	4,378,709	3,806,819
Gas and electric fixtures; lamps, lanterns, and reflectors	11	47	181	-------	185	138,064	283,283	390,457	13,378	1,143,869	740,034
Grease and tallow, not including lubricating greases	4	9	40	50	233	42,516	76,029	434,420	14,174	619,669	171,075
Hand stamps and stencils and brands	10	45	135	-------	72	129,272	205,752	69,240	4,628	779,484	705,616
Hardware not elsewhere classified	14	96	365	270	428	273,234	395,690	1,027,493	26,276	1,998,371	944,602
Hats and caps, except felt and straw, men's	3	-------	3	-------	4	-------	4,164	7,706	204	20,321	12,411
House-furnishing goods, not elsewhere classified	8	61	364	150	883	192,352	293,888	1,519,778	35,465	2,835,136	1,279,893
Ice cream	20	129	564	1,385	4,822	233,106	916,680	3,403,115	151,820	7,833,013	4,198,078
Ice, manufactured	14	36	202	3,130	7,365	95,071	304,819	61,001	262,223	1,197,377	874,153
Jewelry [c]	121	585	2,381	298	1,472	2,060,765	3,703,610	6,759,664	84,450	17,220,166	10,376,052
Knit goods	18	85	750	-------	423	375,637	1,432,804	2,018,949	35,289	4,722,441	2,668,203
Leather goods, not elsewhere classified	12	45	331	10	286	121,812	429,737	1,304,714	13,706	2,111,012	792,592
Leather: Tanned, curried, and finished	38	284	2,218	2,160	6,885	1,317,534	3,424,531	14,618,943	365,573	23,362,962	8,378,446
Machine-tool accessories and small metal-working tools, not elsewhere classified	32	112	810	-------	1,002	388,245	1,555,542	537,776	45,181	3,636,718	3,053,761
Marble, granite, slate, and other stone products	14	68	418	500	1,936	262,099	983,046	687,131	33,145	2,943,140	2,222,864
Meat packing, wholesale	8	188	730	925	1,979	421,740	1,214,656	17,775,171	103,270	20,529,788	2,651,347
Mirrors, framed and unframed	4	6	43	-------	101	16,588	63,662	83,732	5,238	258,707	169,737
Models and patterns, not including paper patterns	13	18	99	-------	207	85,618	174,070	62,592	7,954	438,085	367,539
Motor-vehicle bodies and motor-vehicle parts	18	56	300	25	422	179,786	527,425	673,206	21,445	1,751,272	1,056,621
Nonferrous-metal alloys and products, not including aluminum products	39	148	741	1,838	1,263	549,219	1,145,693	11,540,711	221,540	15,556,488	3,794,237
Optical goods	9	36	165	7	162	106,296	199,037	216,889	7,171	615,967	391,907
Paints and varnishes	31	782	1,880	1,057	10,248	2,273,798	3,099,914	21,326,019	535,545	35,492,970	13,631,406
Paper	5	20	180	1,485	1,024	62,102	294,443	361,418	132,033	1,084,804	591,353
Paper goods, not elsewhere classified	9	107	580	845	376	419,348	645,074	2,627,674	31,711	5,578,428	2,919,043
Patent or proprietary medicines and compounds	21	287	497	724	1,670	884,806	622,868	2,554,065	64,127	8,502,269	5,884,077
Perfumes, cosmetics, and other toilet preparations	14	268	631	361	318	849,282	630,784	3,141,879	31,035	13,211,024	10,038,110
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	39	209	694	625	4,404	507,260	1,039,410	2,061,497	69,684	4,623,755	2,492,574
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	5	49	183	-------	393	121,281	288,747	450,590	17,826	1,115,037	646,621
Pottery, including porcelain ware	3	27	110	-------	325	98,015	145,782	24,347	34,209	524,526	465,970
Printing and publishing, book and job	130	493	1,621	315	1,858	1,559,351	2,820,098	2,973,189	101,968	11,097,918	8,022,761
Printing and publishing, newspaper and periodical	33	970	934	1,324	1,091	2,145,031	2,437,132	2,575,981	117,325	11,019,355	8,326,049
Rubber goods other than tires, inner tubes, boots and shoes	10	66	299	275	1,479	197,375	375,917	501,948	36,748	1,734,613	1,195,917
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	3	19	51	-------	310	56,064	101,976	869,784	16,143	1,135,959	250,032
Shirts	6	8	121	-------	39	20,991	96,223	124,040	2,325	326,505	200,140
Signs and advertising novelties	25	295	907	567	590	686,106	1,284,822	1,248,983	38,660	4,576,676	3,289,033
Silversmithing and silverware	14	71	528	513	164	207,106	1,055,459	823,329	26,527	2,391,866	1,542,010

See footnotes at end of this section, p. 337.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ESSEX COUNTY—Continued											
Stamped ware, enameled ware, and stamping, enameling, japanning, and lacquering	29	201	1,806	707	1,256	$619,049	$2,346,176	$1,886,162	$104,184	$6,523,629	$4,533,283
Stationery goods, not elsewhere classified	6	62	341	120	140	201,462	530,162	694,796	11,244	1,796,466	1,090,426
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	19	116	682	150	3,913	476,711	1,118,415	3,610,209	76,877	5,840,943	2,153,857
Tools, not including edge tools, machine tools, files, or saws	19	90	556	227	1,339	214,137	812,518	785,501	77,708	2,978,561	2,115,352
Toys (not including children's wheel goods or sleds), games, and playground equipment	9	115	832	-------	547	317,291	929,066	1,521,554	30,544	4,415,972	2,863,874
Wall plaster, wall board, and floor composition	3	13	7	840	545	26,910	67,695	196,917	24,168	796,910	575,825
Window shades and fixtures	11	13	39	-------	13	24,280	56,648	193,283	2,021	370,576	175,272
Wire, drawn from purchased bars or rods	4	68	280	-------	1,523	213,376	563,469	1,015,621	72,281	2,836,801	1,748,899
Wirework, not elsewhere classified	20	142	788	500	1,256	446,711	1,230,162	2,461,973	62,469	5,821,018	3,296,576
Wood turned and shaped and other wooden goods, not elsewhere classified	7	18	42	18	169	27,991	54,345	57,215	4,801	180,297	118,281
Other industries [7]	428	3,526	20,987	15,656	39,812	11,088,023	27,931,905	153,594,875	2,298,858	244,529,914	88,636,181
GLOUCESTER COUNTY											
All industries, total	81	276	2,304	10,781	4,918	$626,755	$3,024,284	$9,629,812	$758,998	$20,539,307	$10,150,497
HUDSON COUNTY											
All industries, total	1,672	18,956	90,464	156,234	157,137	$45,436,255	$134,338,714	$502,419,418	$17,213,060	$968,373,084	$448,740,606
Awnings, tents, sails, and canvas covers	8	17	35	-------	11	37,152	42,177	101,398	1,198	217,375	114,779
Beverages	32	42	172	702	460	114,659	284,053	416,096	50,504	1,272,341	805,741
Boxes, paper, not elsewhere classified	19	114	929	600	964	355,658	953,960	1,820,732	53,451	4,105,486	2,231,303
Bread and other bakery products	216	96	1,317	263	1,321	210,660	2,364,261	5,989,761	331,359	12,509,016	6,187,896
Buttons	8	17	194	-------	407	61,367	254,734	185,281	18,449	641,801	438,071
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	8	18	71	56	110	29,365	78,154	972,130	7,357	1,518,217	538,730
Car and general construction and repairs, steam-railroad repair shops	12	380	4,213	3,615	5,929	967,318	7,269,570	2,385,703	230,019	10,862,173	8,246,451
Chemicals, not elsewhere classified	19	584	2,291	4,488	3,785	1,669,958	3,492,023	9,102,626	714,690	20,168,934	10,351,618
Cleaning and polishing preparations	5	10	13	-------	41	43,168	16,439	86,025	1,368	201,131	113,738
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	9	17	193	-------	62	96,767	219,673	480,571	6,495	1,051,019	563,953
Clothing, women's, not elsewhere classified	51	90	1,497	-------	381	238,509	1,428,616	1,265,230	29,882	4,598,295	3,303,183
Compressed and liquefied gases	5	43	80	40	831	65,501	144,103	98,171	70,952	1,299,554	1,130,431
Concrete products	11	26	99	120	425	55,729	154,626	202,192	14,761	635,475	418,522
Confectionery	11	19	180	75	133	55,342	177,085	470,953	16,641	857,727	370,133
Cooperage	6	49	558	756	650	165,602	841,105	1,629,331	46,690	3,030,984	1,354,963
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	12	63	157	95	276	195,492	294,904	769,093	14,049	1,565,529	782,387
Cork products	3	16	83	1,075	93	19,198	52,363	95,361	7,814	192,844	89,669
Cotton small wares	5	6	179	207	153	27,292	201,007	377,513	8,827	757,567	371,227
Dyeing and finishing textiles	33	189	1,388	1,197	3,159	679,497	1,741,557	3,702,454	291,751	8,571,416	4,577,211
Electrical machinery, apparatus, and supplies	35	7,364	14,814	18,360	11,549	12,101,272	20,461,729	62,727,235	585,207	123,814,180	60,501,738
Electroplating	3	-------	12	-------	67	----------	19,995	6,040	2,321	33,627	25,266
Embroideries	270	136	1,614	-------	941	351,707	1,945,317	2,391,433	108,714	7,895,075	5,394,928
Engraving, steel and copperplate, and plate printing	3	-------	21	-------	6	----------	35,188	9,226	531	71,420	61,663
Fancy and miscellaneous articles, not elsewhere classified	6	37	284	-------	371	110,745	237,101	560,556	12,173	1,340,658	767,929
Food preparations, not elsewhere classified	7	76	427	-------	986	223,441	587,881	4,169,102	32,680	9,035,816	4,834,034
Forgings, iron and steel, not made in plants operated in connection with rolling mills	4	19	102	110	426	70,435	154,363	216,352	35,527	606,459	354,580
Foundry and machine-shop products, not elsewhere classified	71	1,674	6,717	14,986	8,662	4,372,994	10,968,923	17,232,967	835,796	43,540,511	25,471,748
Furniture, including store and office fixtures	20	163	1,174	125	3,102	560,946	1,823,674	2,389,910	81,538	6,061,234	3,589,786
Furs, dressed	7	33	170	-------	180	109,614	367,665	71,546	11,246	671,519	588,727
Grease and tallow, not including lubricating greases	7	36	168	140	773	135,540	262,641	4,031,577	63,198	5,196,114	1,101,339

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[6] The figures for the "Jewelry" industry include data for 3 establishments located outside the county. These adjustments have been made to avoid disclosing approximations of the data for the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[7] See footnote 6.

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Explosives"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

See footnotes at end of this section, p. 338.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first pege of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
HUDSON COUNTY—Continued											
Hardware not elsewhere classified	4	84	223	-------	437	$324,998	$296,793	$543,124	$38,357	$1,781,767	$1,200,286
Hats and caps, except felt and straw, men's	7	8	171	-------	37	10,660	218,889	376,114	3,871	794,802	414,817
Ice cream	43	8	78	50	594	23,820	117,869	426,930	32,868	1,102,956	643,158
Ice, manufactured	9	33	155	1,725	4,402	100,883	265,534	67,450	162,024	1,036,682	807,208
Jewelry and instrument cases	4	20	131	-------	69	109,983	188,759	258,453	6,605	659,850	394,792
Knit goods	24	42	771	-------	499	167,158	852,289	4,322,469	44,426	6,407,454	2,040,559
Machine-tool accessories and small metal-working tools, not elsewhere classified	4	1	17	-------	35	[c]	28,666	5,097	1,562	57,425	50,766
Marble, granite, slate, and other stone products	12	33	194	200	1,348	175,310	503,020	411,435	25,261	1,361,919	925,223
Meat packing, wholesale	10	327	1,858	4,860	1,804	769,756	3,007,986	51,578,385	329,507	61,420,694	9,512,802
Millinery	3	9	55	3	15	19,850	54,984	121,517	2,876	314,523	190,130
Mirrors, framed and unframed	8	25	138	-------	156	90,878	204,203	566,785	7,012	986,914	413,117
Models and patterns, not including paper patterns	9	6	26	-------	64	9,192	42,879	11,875	2,006	129,352	115,471
Motor-vehicle bodies and motor-vehicle parts	8	17	116	14	256	42,105	228,047	296,696	12,420	730,096	420,980
Nonferrous-metal alloys and products, not including aluminum products	16	53	305	35	1,200	145,682	583,059	1,483,976	79,477	2,930,160	1,366,707
Paints and varnishes	20	200	600	305	3,681	633,050	953,553	6,394,963	115,563	11,649,340	5,138,814
Paper	4	25	231	1,910	2,668	97,926	383,551	1,017,170	194,504	2,350,287	1,138,613
Paper goods, not elsewhere classified	4	9	76	-------	169	25,090	90,961	127,442	4,707	377,591	245,442
Patent or proprietary medicines and compounds	26	137	338	-------	876	418,583	377,357	1,853,484	36,817	7,116,513	5,226,212
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	23	70	280	1,860	2,152	232,396	473,654	806,823	30,515	1,930,752	1,093,414
Pocketbooks, purses, and cardcases	5	43	351	-------	37	179,634	532,491	817,785	4,299	2,039,089	1,217,005
Poultry killing, dressing, and packing, wholesale	6	-------	18	-------	-------	-------	23,877	475,770	30	553,268	77,468
Printing and publishing, book and job	79	166	1,171	203	1,390	573,496	2,152,750	1,356,811	61,123	5,792,096	4,374,162
Printing and publishing, newspaper and periodical	20	374	380	-------	1,320	1,017,037	1,035,146	678,357	56,194	4,282,048	3,547,497
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	8	26	72	-------	348	94,692	131,044	1,414,446	13,968	1,910,408	481,994
Ship and boat building, steel and wooden, including repair work	10	402	3,813	526	24,108	1,170,942	6,653,078	3,965,726	231,776	14,353,369	10,155,867
Shirts	4	3	141	-------	40	4,737	90,145	53,740	2,551	160,120	103,829
Signs and advertising novelties	4	20	117	-------	75	65,136	122,482	274,100	4,013	562,522	284,409
Silk and rayon manufactures	31	225	2,510	994	1,930	689,069	3,369,085	7,526,662	169,665	13,112,854	5,416,527
Statuary and art goods, factory product	3	-------	20	-------	-------	-------	27,587	40,237	1,235	81,826	40,354
Stoves and ranges (other than electric) and warm-air furnaces	5	109	383	900	589	354,833	578,209	985,826	31,537	2,863,456	1,846,093
Structurel and ornamental iron and steel work, not made in plants operated in connection with rolling mills	28	86	270	-------	1,065	277,091	586,301	1,693,010	27,087	3,201,554	1,481,457
Tanning materials, natural dyestuffs, mordants and assistents, and sizes	6	25	84	-------	687	149,178	143,373	1,441,933	20,596	2,480,469	1,017,940
Textile machinery and parts	4	5	18	-------	28	14,050	24,101	19,987	1,661	89,296	67,648
Wood turned and shaped and other wooden goods, not elsewhere classified	5	9	32	125	121	25,320	39,475	54,848	2,001	168,616	111,767
Other industries	310	5,022	36,157	95,514	58,693	14,298,792	53,082,630	286,993,427	11,769,758	541,259,519	242,496,334
MERCER COUNTY											
All industries, total	346	3,370	23,721	49,111	85,412	$9,051,114	$31,199,708	$56,086,078	$4,655,939	$140,191,342	$79,449,325
Beverages	12	13	55	49	93	21,384	81,647	106,188	7,677	357,152	243,287
Bread and other bakery products	49	37	385	-------	511	84,008	654,752	1,327,914	82,359	2,875,385	1,465,112
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	3	2	22	95	7	[d]	7,895	25,696	1,035	44,183	17,452
Cigars and cigarettes	5	78	1,480	-------	128	101,536	1,125,873	2,272,507	12,650	5,306,687	3,021,530
Clay products (other than pottery) and noncley refractories	8	42	511	225	565	157,901	502,119	365,865	93,506	1,420,119	960,748
Concrete products	8	4	36	-------	148	4,709	43,383	76,595	2,734	172,656	93,327
Electrical machinery, apparatus, and supplies	9	142	845	-------	1,555	315,109	760,127	3,712,636	71,422	9,759,826	5,975,768
Fertilizers	4	21	30	130	1	47,682	31,249	369,809	2,650	491,481	119,022
Flour and other grain-mill products	4	3	8	162	113	3,640	11,810	149,589	2,294	216,810	64,927
Foundry and machine-shop products, not elsewhere classified	20	116	610	668	1,265	384,912	872,765	581,560	74,298	2,400,197	1,744,339
Ice, manufactured	6	14	43	975	7,268	26,516	74,065	14,712	81,825	432,175	335,638
Marble, granite, slate, and other stone products	3	11	32	-------	305	25,940	54,272	84,289	3,644	195,179	107,246
Minerals and earths, ground or otherwise treated	4	20	56	-------	1,524	89,415	71,214	374,443	50,223	730,029	305,361
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	4	3	37	-------	302	5,545	69,152	162,452	4,527	266,121	99,142
Pottery, including porcelain ware	33	581	4,789	1,762	4,254	1,801,943	6,065,298	1,684,494	846,842	14,987,113	12,455,777
Printing and publishing, book and job	23	38	190	-------	227	116,640	339,981	281,074	15,116	990,248	694,058
Ruhber goods other than tires, inner tubes, and boots and shoes	15	362	2,747	3,390	15,663	1,040,159	3,453,347	7,989,304	539,094	17,166,898	8,638,500
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	5	12	44	-------	259	61,190	65,165	760,247	10,095	1,004,308	233,966
Other industries	131	1,871	11,801	41,655	51,222	4,762,885	16,915,694	35,746,702	2,753,948	81,374,775	42,874,125

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits end Production Costs.

[c] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

[d] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
MIDDLESEX COUNTY											
All industries, total	379	5,521	36,109	97,946	70,976	$14,078,820	$48,190,152	$408,766,885	$7,385,413	$563,028,590	$146,876,292
Awnings, tents, sails, and canvas covers	4		12		5		13,419	33,020	563	67,034	33,451
Beverages	17	17	26		86	34,355	34,461	97,852	5,836	263,770	160,082
Bread and other bakery products	48	16	205		234	23,310	340,074	729,401	47,871	1,523,331	746,059
Car and general construction and repairs, steam-railroad repair shops	5	16	178	510	416	46,664	300,779	127,430	16,173	491,046	347,443
Chemicals, not elsewhere classified	16	514	2,186	8,211	8,441	1,279,502	3,636,769	19,246,346	861,174	34,787,200	14,679,680
Cigars and cigarettes	14	185	3,382	75	725	397,620	2,497,312	7,145,977	63,532	14,645,823	7,436,314
Clay products (other than pottery) and nonclay refractories	26	488	4,126	5,447	7,553	1,220,553	5,485,299	2,343,100	1,567,986	15,675,344	11,764,258
Clothing, women's, not elsewhere classified	20	39	1,095		158	106,779	815,067	933,476	23,531	2,385,635	1,428,628
Concrete products	12	25	123		242	76,588	189,633	191,759	12,032	657,727	453,936
Fertilizers	4	80	425	1,200	2,114	227,804	557,699	3,185,710	69,377	4,787,593	1,532,506
Paints and varnishes	6	531	1,354	1,418	1,154	1,306,060	1,933,439	13,846,515	367,989	22,314,592	8,100,088
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	4	22	90	100	629	76,524	181,674	249,741	8,632	571,206	312,833
Pottery, including porcelain ware	6	82	632	280	1,420	260,682	993,992	212,888	180,535	2,483,540	2,089,817
Printing and publishing, book and job	17	66	704		2,616	223,499	1,246,678	728,482	37,587	3,057,376	2,291,307
Printing and publishing, newspaper and periodical	18	129	95		267	294,912	233,542	142,195	16,217	1,142,321	983,909
Shirts	8	20	805		104	72,416	700,800	2,878,454	15,775	5,247,174	2,352,945
Smelting and refining, copper	3	564	3,730	58,565	2,425	1,392,364	6,445,004	274,916,965	2,056,908	302,546,434	25,572,561
Other industries	151	2,727	16,941	22,140	42,357	7,039,188	22,584,511	81,757,574	2,033,395	150,381,444	66,590,475
PASSAIC COUNTY											
All industries, total	1,237	7,732	57,798	56,921	90,357	$23,374,790	$77,216,920	$171,068,445	$7,378,793	$360,930,423	$182,483,185
Awnings, tents, sails, and canvas covers	5	1	12		5	[10]	12,946	37,007	349	82,205	44,849
Beverages	27	24	89	690	389	61,214	160,677	257,258	30,124	835,994	548,612
Bookbinding and blank-book making	3	5	25		14	16,200	34,610	9,842	1,155	86,730	75,703
Boxes, paper, not elsewhere classified	11	42	321		151	155,994	287,468	428,687	7,482	1,075,678	639,509
Bread and other bakery products	101	49	612		1,189	119,645	1,076,257	2,239,963	116,889	4,818,910	2,462,058
Card cutting and designing	5	9	49		31	32,341	94,793	108,327	1,295	303,192	193,570
Chemicals, not elsewhere classified	5	120	188	61	785	284,983	257,551	989,741	51,711	2,701,235	1,659,783
Cigars and cigarettes	10	19	495		15	78,588	452,665	708,611	2,951	1,605,525	893,963
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	10	49	605		47	145,078	631,220	150,958	7,127	1,093,630	935,545
Clothing, women's, not elsewhere classified	14	27	805		134	65,352	618,176	1,246,619	9,787	2,218,090	961,684
Concrete products	5		31	20	66		39,741	55,646	1,436	132,513	75,431
Dyeing and finishing textiles	95	1,673	12,775	14,428	19,919	5,598,335	16,723,723	23,952,610	3,396,950	65,794,582	38,445,022
Electrical machinery, apparatus, and supplies	5	502	2,136	1,550	4,627	1,261,918	3,105,626	15,704,312	177,884	23,209,249	7,327,053
Embroideries	7	7	125		11	14,686	139,308	3,436	619	262,931	258,876
Engraving, steel and copperplate, and plate printing	7	28	227		79	200,740	292,740	3,243	12,254	775,148	759,651
Foundry and machine-shop products, not elsewhere classified	35	261	1,229	887	2,229	915,542	2,100,302	3,084,248	152,379	8,827,328	5,590,701
Furniture, including store and office fixtures	9	13	77		146	40,101	115,699	280,118	3,849	578,056	294,089
Handkerchiefs	20	101	1,524	900	312	211,905	1,192,256	3,244,273	30,604	6,006,462	2,821,585
Ice cream	11	35	119		1,161	114,845	212,920	574,453	33,999	1,413,491	805,039
Ice, manufactured	6	12	62	240	2,034	46,142	89,542	27,495	79,219	428,602	322,288
Knit goods	14	116	1,202		562	402,315	2,001,877	3,222,606	41,204	7,428,129	4,164,319
Motor-vehicle bodies and motor-vehicle parts	4	23	115		199	62,892	203,153	238,172	6,315	658,509	414,022
Nonferrous-metal alloys and products, not including aluminum products	4	8	38		31	31,650	56,743	164,777	7,090	315,033	143,166
Patent or proprietary medicines and compounds	5	37	48		186	98,763	74,396	383,829	9,068	943,201	550,304
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	8	19	100	565	171	115,256	165,962	286,380	8,752	749,902	454,770
Printing and publishing, book and job	35	34	111		230	103,161	176,398	235,109	11,639	805,915	559,167
Printing and publishing, newspaper and periodical	12	246	301		774	500,793	674,750	551,264	36,003	2,448,381	1,861,114
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	5	4	37		110	16,080	74,562	552,514	11,964	717,456	152,978
Silk and rayon manufactures	558	1,117	14,928	2,635	14,260	3,742,114	19,822,371	49,504,880	777,130	92,811,319	42,529,309
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	7	45	175		1,081	146,246	219,513	910,122	15,626	1,550,609	624,861
Textile machinery and parts	33	186	1,022	610	1,417	637,004	1,531,324	2,061,631	68,708	5,360,718	3,230,379
Wood turned and shaped and other wooden goods, not elsewhere classified	8	12	53		225	42,230	63,168	108,043	4,451	264,034	151,540
Other industries	153	2,908	18,162	34,335	37,767	8,112,677	24,514,483	59,742,271	2,262,750	124,537,266	62,532,245

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[10] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
UNION COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industries—"Sewing machines and attachments," as measured by number of wage earners, and "Petroleum refining," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	469	4,753	28,531	73,332	78,450	$12,912,369	$43,833,928	$162,141,642	$4,829,044	$230,212,642	$123,241,956

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
BAYONNE											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Petroleum refining"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	125	1,854	11,109	35,616	14,169	$4,708,603	$18,160,645	$151,550,169	$1,200,671	$232,712,928	$79,962,088
CAMDEN											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Phonographs," as measured by number of wage earners, and "Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	230	4,436	28,879	55,451	28,440	$10,908,306	$35,517,410	$108,041,972	$3,760,684	$230,978,935	$119,176,279
ELIZABETH											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Sewing machines and attachments," as measured by number of wage earners, and "Nonferrous-metal alloys and products, not including aluminum products," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	201	2,265	15,714	30,077	38,851	$5,520,783	$22,923,230	$63,621,909	$2,503,837	$122,751,957	$56,626,211

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
JERSEY CITY											
All industries, total	617	4,490	25,822	36,967	47,268	$12,661,826	$37,984,440	$160,654,992	$3,387,708	$311,986,850	$147,944,150
Beverages	13	13	47	35	150	30,129	78,533	122,023	10,932	366,035	233,080
Boxes, paper, not elsewhere classified	10	50	397	75	355	150,301	351,955	372,876	17,666	1,085,324	694,782
Bread and other bakery products	105	50	666	3	696	123,013	1,235,066	3,165,526	189,621	6,741,246	3,386,099
Car and general construction and repairs, steam-railroad repair shops	6	203	2,507	3,125	3,618	511,287	4,169,181	1,263,279	135,017	6,088,327	4,690,031
Chemicals, not elsewhere classified	7	76	476	900	1,894	256,548	712,519	3,050,230	290,959	5,449,092	2,107,903
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	4	10	88		22	55,339	118,151	148,433	3,798	400,499	248,268
Confectionery	4	2	22		30	(1)	20,371	77,010	3,160	143,591	63,421
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	9	33	57	95	76	87,781	110,539	419,940	6,168	716,451	290,343
Electrical machinery, apparatus, and supplies	11	267	1,417		2,053	620,649	1,553,545	3,292,084	70,397	10,829,354	7,466,873
Embroideries	13	3	54		30	3,625	54,333	80,930	4,771	222,704	137,003
Engraving, steel and copperplate, and plate printing	3		21		6		35,188	9,226	531	71,420	61,663
Foundry and machine-shop products, not elsewhere classified	22	326	1,413	2,093	2,316	894,379	2,476,265	7,176,045	192,976	12,051,177	4,682,156
Furniture, including store and office furniture	9	90	479	125	691	266,898	713,689	1,172,690	28,380	2,555,619	1,354,549
Ice cream	29	6	58	50	433	18,320	92,365	317,068	25,455	826,038	483,515
Ice, manufactured	3	12	89	1,410	1,173	48,218	143,920	18,924	48,722	531,817	464,171
Knit goods	9	10	139		73	29,320	151,305	254,528	5,876	604,653	344,249
Marble, granite, slate, and other stone products	4	12	34		295	40,360	103,242	77,131	4,262	246,735	165,242
Models and patterns, not including paper patterns	4	3	15			6,352	19,092	5,857	1,127	63,458	56,474
Nonferrous-metal alloys and products, not including aluminum products	6	20	137	35	521	58,118	271,159	1,055,468	35,733	1,737,667	646,466
Paints and varnishes	10	108	258	275	1,793	319,621	409,871	2,429,915	40,480	4,444,869	1,974,474
Patent or proprietary medicines and compounds	20	117	272		813	346,712	306,808	1,388,731	33,117	6,088,664	4,666,816
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	7	11	48	170	224	41,800	77,992	169,996	4,786	350,213	175,431
Ship and boat building, steel and wooden, including repair work	4	44	578		1,323	104,280	943,702	433,314	24,990	1,984,747	1,526,443
Stoves and ranges (other than electric) and warm-air furnaces	5	109	383	900	589	354,833	578,209	985,826	31,537	2,863,456	1,846,093
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	15	57	184		660	171,113	395,297	1,269,354	15,826	2,288,451	1,003,271
Other industries	285	2,858	15,983	27,676	27,434	8,122,830	22,832,143	131,898,588	2,161,321	243,235,243	109,175,334

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

NEWARK

[The totals for all industries do not include data for a few establisbments located outside the city (see footnotes 2 and 3), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	1,731	12,851	66,647	39,041	113,744	$38,189,916	$94,544,473	$237,722,455	$6,700,660	$502,507,589	$258,084,474
Awnings, tents, sails, and canvas covers	13	15	61		96	42,110	66,672	234,078	8,066	456,078	213,934
Beverages	31	248	734	1,677	1,048	669,097	1,337,087	1,436,251	114,232	6,262,548	4,712,065
Bookbinding and blank-book making	12	12	178		139	38,504	289,291	142,801	5,644	710,543	562,098
Boxes, paper, not elsewhere classified	18	85	628	5	672	328,231	617,589	960,571	25,255	2,424,073	1,438,247
Boxes, wooden, except cigar boxes [2]	6	22	193		519	94,412	261,277	596,381	13,274	1,154,530	544,875
Bread and other bakery products	144	139	1,710	8	2,447	399,057	2,705,789	6,312,534	276,005	14,485,348	7,896,809
Brushes, other than rubber	9	62	418	150	349	245,676	407,699	1,195,720	52,609	2,664,241	1,415,912
Buttons	18	93	972	650	875	233,276	1,122,928	1,093,606	63,650	2,971,115	1,813,859
Chemicals, not elsewhere classified	19	603	2,008	7,944	3,186	1,845,619	3,013,740	10,332,101	444,346	18,488,560	7,712,113
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified [3]	65	103	1,919		257	351,696	2,684,191	1,827,007	51,669	6,579,655	4,700,979
Clothing, women's, not elsewhere classified	48	105	1,439	1	340	318,267	1,393,388	1,076,660	28,398	3,598,633	2,493,575
Compressed and liquefied gases	3	109	118	450	1,626	286,898	210,973	255,780	111,426	1,862,002	1,494,796
Concrete products	8	29	109	73	298	86,025	162,491	314,962	13,111	926,461	598,388
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	30	61	254	160	355	194,141	480,531	807,886	16,885	1,851,391	1,026,620
Corsets and allied garments	9	261	1,132	150	340	749,767	1,114,836	3,120,024	28,338	6,232,831	3,084,469
Electrical machinery, apparatus, and supplies	52	2,023	12,920	1,140	9,602	4,853,494	15,441,027	23,037,511	565,262	67,126,441	43,523,668
Electroplating [3]	10	22	124	20	350	49,312	222,311	88,890	15,362	542,619	438,367
Fancy and miscellaneous articles, not elsewhere classified [2]	14	157	845	60	557	584,387	1,051,059	979,007	34,127	4,755,768	3,742,634
Flavoring extracts and flavoring sirups [2]	8	73	129	450	376	296,742	233,357	1,281,074	87,929	2,179,698	810,695
Food preparations, not elsewhere classified [3]	8	41	91		284	150,336	78,375	671,822	6,754	1,163,533	484,957
Foundry and machine-shop products, not elsewhere classified	81	588	3,134	1,958	5,202	1,811,281	6,949,461	6,529,502	322,071	19,404,673	12,553,100
Fur goods [2]	8	10	50	12	38	27,321	101,159	214,909	3,894	457,303	238,500
Furniture, including store and office fixtures	24	83	392		702	283,232	843,362	1,466,096	31,662	3,279,461	1,781,703
Furs, dressed	9	116	923	250	1,558	461,844	1,469,861	490,799	81,091	4,378,709	3,806,819
Gas and electric fixtures; lamps, lanterns, and reflectors [3]	11	47	181		185	138,064	283,283	390,457	13,378	1,143,869	740,034

See footnotes at end of this section, p. 342.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEWARK—Continued											
Hardware not elsewhere classified [2]	14	96	365	270	428	$273,234	$395,690	$1,027,493	$26,276	$1,998,371	$944,602
Ice cream	14	33	175	85	1,765	55,144	352,145	1,700,903	58,856	3,567,170	1,807,411
Ice, manufactured	9	23	144	2,380	4,707	54,942	205,251	43,270	173,596	776,050	559,184
Jewelry	114	558	2,137	298	1,241	1,975,079	3,386,946	6,183,344	73,173	15,818,278	9,561,761
Knit goods	12	61	328	-------	134	291,193	515,467	830,642	13,294	2,045,750	1,201,814
Leather goods, not elsewhere classified	12	45	331	10	286	121,812	429,737	1,304,714	13,706	2,111,012	792,592
Leather: Tanned, curried, and finished	35	262	2,038	2,160	6,380	1,224,815	3,203,362	13,668,151	335,749	21,830,916	7,827,016
Marble, granite, slate, and other stone products	11	56	372	500	1,610	215,255	873,081	588,585	27,268	2,624,574	2,008,721
Meat packing, wholesale	8	188	730	925	1,979	421,740	1,214,656	17,775,171	103,270	20,529,788	2,651,347
Mirrors, framed and unframed	4	6	43	-------	101	16,588	63,662	83,732	5,238	258,707	169,737
Nonferrous-metal alloys and products, not including aluminum products	29	109	480	38	854	420,698	740,823	7,289,878	139,048	10,363,595	2,934,579
Optical goods [2]	9	36	165	7	162	106,296	199,037	216,889	7,171	615,967	391,907
Paints and varnishes	25	703	1,739	417	9,997	1,954,981	2,859,637	20,074,138	505,501	33,238,395	12,658,756
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	24	163	555	600	3,873	361,129	793,944	1,459,560	55,487	3,331,553	1,816,506
Printing and publishing, hook and job	100	424	1,222	315	1,247	1,281,895	2,226,271	2,146,333	76,802	8,929,350	6,706,215
Printing and publishing, newspaper and periodical	22	874	833	1,324	885	1,906,438	2,180,050	2,448,773	102,272	10,077,447	7,526,402
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	3	19	51	-------	310	56,064	101,976	869,784	16,143	1,135,959	250,032
Silversmithing and silverware [2]	14	71	528	513	164	207,106	1,055,459	823,329	26,527	2,391,866	1,542,010
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	25	178	1,636	707	970	536,640	2,126,859	1,758,811	91,796	5,941,704	4,091,097
Stationery goods, not elsewhere classified [2]	6	62	341	120	140	201,462	850,162	694,796	11,244	1,796,466	1,090,426
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	14	88	598	150	3,740	322,976	918,031	3,222,843	69,846	4,899,737	1,607,048
Tools, not including edge tools, machine tools, files, or saws	15	71	507	227	989	178,952	732,726	605,664	66,019	2,301,245	1,629,562
Toys (not including children's wheel goods or sleds), games, and playground equipment	4	36	410	-------	118	153,191	414,151	881,178	8,285	1,782,090	892,627
Wall plaster, wall board, insulating boards, and floor composition	3	13	70	840	545	26,910	67,695	196,917	24,168	796,910	575,825
Window shades and fixtures	6	5	14	-------	10	9,780	25,930	90,772	1,131	169,872	77,969
Wire, drawn from purchased bars or rods	4	68	280	-------	1,523	213,376	563,469	1,015,621	72,281	2,836,801	1,748,899
Wirework, not elsewhere classified	13	72	338	100	499	173,072	547,152	1,437,550	26,136	3,287,986	1,824,300
Other industries	538	3,452	19,710	11,897	37,958	10,958,860	26,474,923	84,642,104	2,165,578	162,539,682	76,732,000

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Newark have been included with those for the city, as specified in footnotes 2 and 3, to avoid disclosing data reported by individual establishments.

[2] Includes data for 1 establishment located outside Newark.

[3] Includes data for 2 establishments located outside Newark.

PATERSON

All industries, total	915	3,699	32,686	20,647	47,136	$12,118,681	$44,030,942	$93,393,746	$4,607,066	$197,650,980	$99,650,168
Beverages	16	15	65	690	321	38,246	128,424	186,409	24,436	645,861	435,016
Boxes, paper, not elsewhere classified	6	19	133	-------	63	53,976	94,031	135,673	2,706	327,853	189,474
Bread and other bakery products	61	35	453	-------	931	90,768	803,403	1,641,418	86,276	3,623,797	1,896,103
Card cutting and designing	5	9	49	-------	31	32,341	94,793	108,327	1,295	303,192	193,570
Cigars and cigarettes	4	1	16	-------	2	(4)	20,799	31,912	387	87,000	54,701
Dyeing and finishing textiles	74	1,023	8,884	6,984	13,464	3,386,486	11,387,394	16,992,175	2,567,960	45,737,989	26,177,854
Engraving, steel and copper plate, and plate printing	3	9	104	-------	30	95,212	149,267	2,270	2,826	375,591	370,495
Foundry and machine-shop products, not elsewhere classified	21	127	582	522	1,406	438,173	988,075	770,572	69,570	3,023,174	2,183,032
Ice cream	7	22	92	-------	891	86,568	163,847	436,769	26,375	1,111,150	648,006
Ice, manufactured	3	6	33	-------	1,262	26,982	48,320	4,020	45,367	210,600	161,213
Knit goods	9	75	811	-------	288	287,712	1,323,453	1,929,016	18,241	4,398,128	2,450,871
Nonferrous metal alloys, and products, not including aluminum products	4	8	38	-------	31	31,650	56,743	164,777	7,090	315,033	143,166
Planing-mill products (including general millwork), not made in planing mills connected with sawmills [5]	8	19	100	565	171	115,256	165,962	286,380	8,752	749,902	454,770
Printing and publishing, hook and job	22	22	82	-------	159	75,606	126,826	186,656	8,273	582,278	387,349
Printing and publishing, newspaper and periodical	4	140	225	-------	592	309,606	482,807	342,922	23,184	1,562,845	1,196,739
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [5]	5	4	37	-------	110	16,080	74,562	552,514	11,964	717,456	152,978
Silk and rayon manufactures	526	984	12,940	1,415	12,811	3,323,712	17,115,230	43,658,294	691,543	80,976,556	36,626,719
Textile machinery and parts	28	165	923	565	1,284	559,441	1,391,875	1,851,204	61,459	4,817,213	2,904,550
Other industries [6]	109	1,016	7,119	9,906	13,289	3,150,866	9,415,131	24,112,438	949,362	48,085,362	23,023,562

[4] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

[5] The items for each of the 2 industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.

[6] See footnote 5.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
TRENTON											
[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 7 and 8), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	261	2,531	18,953	42,219	69,409	$6,703,150	$24,626,124	$41,327,386	$3,848,513	$107,842,837	$62,666,938
Beverages [7]	12	13	55	49	95	21,384	81,547	106,188	7,677	357,152	243,287
Bread and other bakery products	41	32	346	-------	460	75,408	596,937	1,209,518	77,171	2,635,272	1,348,583
Cigars and cigarettes	5	78	1,480	-------	128	101,536	1,125,873	2,272,507	12,650	5,306,687	3,021,530
Clay products (other than pottery) and nonclay refractories	8	42	511	225	565	157,901	502,119	365,865	93,506	1,420,119	960,748
Foundry and machine-shop products, not elsewhere classified [b]	20	116	610	668	1,265	384,912	872,765	581,560	74,298	2,400,197	1,744,339
Planing-mill products (including general millwork), not made in planing mills connected with sawmills [7]	4	3	37	-------	302	5,545	69,152	162,452	4,527	266,121	99,142
Pottery, including porcelain ware	26	464	3,975	962	3,772	1,456,210	4,953,631	1,223,715	719,511	12,299,695	10,356,469
Printing and publishing, book and job [b]	23	38	190	-------	227	116,640	339,981	281,074	15,116	990,248	694,058
Rubber goods other than tires, inner tubes, and boots and shoes	6	93	936	650	8,140	276,495	1,199,642	1,491,336	209,942	4,155,656	2,454,378
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	5	12	44	-------	259	61,190	65,165	760,247	10,095	1,004,308	233,966
Other industries	117	1,645	10,789	39,665	54,253	4,053,229	14,845,440	32,891,462	2,625,793	77,093,139	41,575,884

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Trenton have been included with those for the city, as specified in footnotes 7 and 8, to avoid disclosing data reported by individual establishments.

[7] Includes data for 1 establishment located outside Trenton.
[8] Includes data for 2 establishments located outside Trenton

NEW MEXICO

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [4]	Materials and containers	Fuel and purchased energy		
1929	250	4,476	23,147	16,097	7,050	$5,564,991	$10,419,449	$9,736,401	$683,048	$21,697,148	$11,277,699
1927	200	4,653	21,467	17,061	4,406	5,421,441	10,055,852	9,412,924	642,928	20,182,672	10,126,820
1925	200	4,629	18,842	15,957	2,885	5,083,211	9,684,279	(5)	(5)	19,458,585	9,774,306
1923	186	5,459	16,863	14,485	2,378	6,483,635	9,954,209	(5)	(5)	20,422,126	10,467,917
1921	194	4,477	(5)	(5)	(5)	4,879,703	6,158,614	(5)	(5)	13,896,960	7,738,446
1919	387	5,736	17,260	13,896	3,364	6,658,462	7,727,483	5,974,121	1,753,362	17,856,602	10,129,119
1914	368	3,776	12,468	11,159	1,309	2,695,448	4,430,134	3,379,845	1,050,289	9,320,067	4,889,933
1909	313	4,143	15,465	12,220	3,245	2,591,379	3,261,043	2,407,989	853,054	7,897,756	4,636,713
1904	199	3,478	5,883	5,680	203	2,153,068	2,235,934	2,154,211	81,723	5,705,880	3,469,946
1899	174	2,490	3,658	3,650	8	1,999,496	1,998,593	(5)	(5)	4,060,924	2,062,331
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	25.0	−3.8	7.8	−5.7	60.0	2.6	3.6	3.4	6.2	7.5	11.4
1925–1927	-------	0.5	13.9	6.9	52.7	6.7	3.8	-------	-------	3.7	3.6
1923–1925	7.5	−15.2	11.7	10.2	21.3	−21.6	−2.7	-------	-------	−4.7	−6.6
1921–1923	−4.1	21.9	-------	-------	-------	32.9	61.6	-------	-------	47.0	35.3
1919–1921	−49.1	−21.9	-------	-------	-------	−26.7	−20.3	-------	-------	−22.2	−23.6
1919–1929	−35.4	−22.0	34.1	15.8	109.6	−16.4	34.8	63.0	−61.0	21.5	11.3
1909–1919	23.6	38.5	11.6	13.7	3.7	156.9	137.0	148.1	105.5	126.1	118.5
1899–1909	79.9	66.4	322.8	234.8	(7)	116.0	63.2	-------	-------	94.5	124.8

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.
[7] Per cent not computed where base is less than 100.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

[This table gives statistics for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing an approximation of the data supplied by individual establishments. Certain of the other counties, however, reported larger numbers of wage earners or larger values of products than some of the counties shown separately]

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	423,317	250	4,476	23,147	$5,564,991	$10,419,449	$9,736,401	$683,048	$21,697,148	$11,277,699
Counties										
Bernalillo	45,430	47	1,695	6,416	2,329,370	4,452,882	4,249,415	203,467	9,053,719	4,600,837
Chaves	19,549	22	132	1,760	168,882	772,713	718,943	53,770	1,376,321	603,608
Colfax	19,157	12	267	1,114	386,780	333,641	305,629	28,012	1,015,723	682,082
Curry	15,809	12	331	2,198	444,973	531,740	459,247	72,493	1,256,914	725,174
Dona Ana	27,455	8	120	837	84,749	399,183	364,466	34,717	656,945	257,762
Eddy	15,842	9	65	893	65,393	971,415	947,967	23,448	1,298,710	327,295
Grant	19,050	10	47	253	60,087	75,330	68,023	7,307	194,649	119,319
Hidalgo	5,023	4	42	60	60,518	40,519	28,703	11,816	129,360	88,841
Luna	6,247	7	21	111	20,291	41,529	39,036	2,493	99,495	57,966
McKinley	20,643	19	244	2,329	331,335	269,680	215,637	54,043	885,724	616,044
Mora	10,322	3	10	89	9,800	3,600	3,600	-------	20,520	16,920
Otero	9,779	14	834	4,342	799,794	1,332,802	1,223,035	109,767	2,740,729	1,407,927
Quay	10,828	7	185	128	280,795	170,347	146,502	23,845	522,960	352,643
Rio Arriba	21,381	10	138	398	117,715	69,885	68,772	1,113	330,259	260,374
Roosevelt	11,109	5	28	122	19,396	128,623	126,185	2,438	205,783	77,160
Sandoval	11,144	4	11	190	10,737	14,199	10,600	3,599	31,033	16,834
San Miguel	23,636	16	124	640	136,741	241,380	224,616	16,764	591,334	349,954
Santa Fe	19,567	10	41	145	64,401	102,657	94,796	7,861	278,192	175,535
Socorro	9,611	5	17	148	18,166	10,519	10,115	404	44,577	34,058
Taos	14,394	5	18	164	20,964	23,032	22,124	908	63,241	40,209
Torrance	9,269	3	10	75	9,399	2,790	2,679	111	23,261	20,471
Valencia	16,186	4	37	587	52,577	89,765	72,349	17,416	211,895	122,130
All other counties [3]	61,886	14	59	148	72,128	341,218	333,962	7,256	665,774	324,556
Cities having 10,000 inhabitants or more [4]										
Albuquerque	26,570	41	1,092	4,074	1,841,060	2,589,451	2,442,584	146,867	5,715,761	3,126,310
Santa Fe	11,176	10	41	145	64,401	102,657	94,796	7,861	278,192	175,536

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] De Baca, Guadalupe, Harding, Lea, Lincoln, San Juan, and Union Counties. (See headnote.) No manufacturing was reported from Catron and Sierra Counties.
[4] Not including Roswell, which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for this city from separate publication to avoid disclosing approximations of the data for individual establishments located outside the city but within Chaves County.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	5,234	5,059	175	164	155	9	73	68	5	521	434	87	4,476	[2] 4,402	[2] 74
1919 [1,3]	6,646	6,435	211	336	320	16	59	58	1	515	441	74	5,736	5,616	120
1914 [3]	4,594	4,481	113	325	308	17	47	47		446	407	39	3,776	3,719	57
1909	4,766	4,659	107	288	282	6	41	41		294	278	16	4,143	4,058	85

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	4,476	4,277	4,341	4,266	4,416	4,596	4,691	4,601	4,637	4,648	4,604	4,370	*4,265*	90.9
1919 [1]	5,736	*4,992*	5,164	5,337	5,181	5,629	5,909	6,148	6,253	6,170	6,025	6,019	6,005	79.8
1914 [1]	3,776	3,621	3,623	*3,605*	3,804	3,926	3,892	4,032	3,927	3,846	3,816	3,606	3,614	89.4
1909 [1]	4,143	3,666	*3,616*	3,775	3,965	4,103	4,142	4,389	4,532	**4,591**	4,346	4,320	4,273	78.8

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	250	4,476	45 and over but under 48	3	12
			48	78	1,939
Not reported	43	125	Over 48 but under 54	4	41
Under 40			54	18	196
40	[1] 5	[1] 13	Over 54 but under 60	15	396
Over 40 but under 44			60 and over	71	1,668
44 and over but under 45	13	86			

[1] Combined to avoid disclosing approximations of the data for individual establishments.

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	250	387	313	4,476	5,736	4,143	21 to 50	17	12	11	522	435	367
							51 to 100	5	8	6	364	531	389
No wage earners	5	35	31				101 to 250	5	9	6	678	1,673	1,039
1 to 5	165	272	202	475	592	476	251 to 500	[1] 5	3	2	[1] 1,921	1,048	662
6 to 20	48	47	54	516	487	527	501 to 1,000		1	1		970	683

[1] Combined to avoid disclosing data for an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	250	387	313	4,476	5,736	4,143	$21,697,148	$17,856,602	$7,897,756	$11,277,699	$10,129,119	$4,636,713
Less than $5,000	[2]	116	143	[2]	112	221	[2]	297,543	329,169	[2]	207,811	243,159
$5,000 to $19,999	128	169	114	387	474	562	1,340,454	1,787,911	1,088,650	875,613	1,035,948	689,587
$20,000 to $99,999	84	67	43	682	695	778	3,522,583	2,608,702	1,996,506	1,937,774	1,311,071	1,062,426
$20,000 to $49,999	58	[3]	[3]	504	[3]	[3]	1,744,020	[3]	[3]	1,030,006	[3]	[3]
$50,000 to $99,999	26	[3]	[3]	378	[3]	[3]	1,778,563	[3]	[3]	907,768	[3]	[3]
$100,000 to $499,999	29	28	13	1,526	2,097	2,582	6,734,329	5,921,624	4,483,431	4,049,638	3,527,497	2,641,541
$100,000 to $249,999	18	[3]		410	[3]		2,493,724	[3]		1,551,666	[3]	
$250,000 to $499,999	11	[3]		1,116	[3]		4,240,605	[3]		2,497,972	[3]	
$500,000 to $999,999	6	7		664	2,358		4,441,011	7,240,822		1,523,299	4,046,792	
$1,000,000 and over	3			1,217			5,658,771			2,891,375		
$1,000,000 to $2,499,999	[4] 3	[3]	[3]	[4] 1,217	[3]	[3]	[4] 5,658,771	[3]	[3]	[4] 2,891,375	[3]	[3]
$2,500,000 to $4,999,999		[3]	[3]		[3]	[3]		[3]	[3]		[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.
[4] Combined to avoid disclosing data for an individual establishment.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	250	387	4,476	5,736	$21,697,148	$17,856,602	$11,277,699	$10,129,119
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	99	135	3,857	5,158	18,584,795	15,001,235	9,634,799	8,790,961
Other forms of ownership or control (individual, partnership, etc.)	151	252	619	578	3,112,353	2,855,367	1,642,900	1,338,158
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	44	[1]	2,726	[1]	13,342,194	[1]	6,470,017	[1]
Independent (single-unit)	206	[1]	1,750	[1]	8,354,954	[1]	4,807,682	[1]

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE: 1929, 1927, 1925, 1919, AND 1914

CENSUS YEAR	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
1929	23,147	16,097	106	11,591	5	2,210	20	2,296			932	7,050	420	7,008
1927	21,467	17,061	99	12,978	6	1,962	29	2,101	1	20	642	4,406	476	7,477
1925	18,842	15,957	102	12,968	7	1,718	22	1,271			485	2,885	381	6,237
1919 [1]	17,260	13,896	129	11,187	7	1,408	75	920	4	381	512	3,364	98	1,814
1914 [1]	12,468	11,159	[2] 148	[2] 10,361	(3)	(3)	52	775	3	23	249	1,309	78	1,308

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See headnote on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	23,147	16,097	7,050	7,008
Counties				
Bernalillo	6,416	4,650	1,766	5,770
Chaves	1,760	846	914	28
Colfax	1,114	940	174	227
Curry	2,198	1,149	1,049	472
Dona Ana	837	200	637	----------
Eddy	893	725	168	----------
Grant	253	130	123	----------
Hidalgo	60	----------	60	----------
Luna	111	----------	111	----------
McKinley	2,329	2,225	104	436
Mora	89	89	----------	----------
Counties—Continued				
Otero	4,342	3,089	1,253	----------
Quay	128	60	68	----------
Rio Arriba	398	398	----------	----------
Roosevelt	122	85	37	----------
Sandoval	190	175	15	----------
San Miguel	640	410	230	----------
Santa Fe	145	----------	145	----------
Socorro	148	140	8	----------
Taos	164	105	59	----------
Torrance	75	73	2	----------
Valencia	587	517	70	75
All other counties [2]	148	91	57	----------

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] De Baca, Guadalupe, Harding, Lea, Lincoln, San Juan, and Union. No manufacturing was reported from Catron and Sierra Counties.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	81,637	$254,847	97,753	387,785	573,187	774,882	855,180
Anthracite (tons, 2,240 lbs.)	2,043	14,517	[3]	194	589	422	498
Bituminous (tons, 2,000 lbs.)	79,349	240,330	[3]	387,568	572,527	774,409	854,622
Coke (tons, 2,000 lbs.)	4,522	24,016	[4]	[4]	831	2,355	888
Fuel oils, including crude oils and gas oils (gallons) [5]	8,679,371	249,815	[4]	[4]	3,648,708	1,293,684	588,504
Gasoline and kerosene (gallons) [5]	46,145	9,330	[4]	[4]	29,106		
Gas, natural (M cu. ft.)	66,918	25,343	[4]	[4]	1,056	1,382	225
Gas, manufactured (M cu. ft.)	65,811	9,312	[4]	[4]			
Other fuels	----------	6,464	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	6,349,040	150,377	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy	----------	[7] 729,504	*Cost* $642,928	*Cost* [8]	*Cost* $1,753,362	*Cost* $1,050,289	*Cost* $853,054

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents statistics for all industries for which separate figures can be given without disclosing, exactly or approximately, the data reported by individual establishments. Certain of the "Other industries," however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	250	594	4,476	16,097	7,050	$1,266,139	$5,664,991	$9,736,401	$683,048	$21,697,148	$11,277,699
Beverages	17	13	31		88	19,640	34,909	89,469	4,039	258,498	164,990
Bread and other bakery products	34	16	177		332	25,694	198,051	630,318	33,178	1,164,690	501,194
Butter	5	6	13		95	9,200	14,645	229,082	4,434	303,388	69,872
Clay products (other than pottery) and non-clay refractories	5	9	102	475	448	23,800	69,471	10,699	45,947	158,261	101,616
Confectionery	3		9		5		5,767	18,129	438	37,796	19,229
Flour and other grain-mill products	13	8	31	342	285	14,279	40,811	328,274	13,226	446,830	105,330
Ice cream	10	10	19		167	15,180	22,943	119,163	10,492	249,510	119,855
Ice, manufactured	16	24	128	1,565	851	39,464	160,926	35,160	81,573	665,000	548,267
Lumber and timber products, not elsewhere classified	40	77	1,549	4,859	1,382	207,254	1,430,117	664,053	124,952	4,198,302	3,409,297
Mattresses and bed springs, not elsewhere classified	3	1	5	30	19	[3]	4,650	13,740	352	29,793	15,701
Oil, cake, and meal, cottonseed	4	17	73	1,155	298	23,100	41,229	783,421	19,078	1,133,690	331,091
Petroleum refining	4	21	55	50	59	36,795	57,805	1,502,747	7,946	2,048,485	537,792
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	9	11	148	125	469	53,350	128,173	373,416	14,127	686,319	298,776
Printing and publishing, book and job	8	5	36		57	15,400	46,233	63,984	2,867	208,863	152,012
Printing and publishing, newspaper and periodical	42	153	224	11	443	239,134	348,287	236,887	24,327	1,358,298	1,097,084
Other industries	37	223	1,876	7,485	2,052	543,849	2,961,174	4,647,859	296,072	8,749,625	3,805,694

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Withheld to avoid disclosing compensation of an individual employee; included in item for "Other industries."

NEW YORK

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	39,395	1,105,966	3,986,781	1,346,844	2,639,937	$1,650,378,858	$5,004,635,985	$4,810,232,972	$194,403,013	$9,978,556,143	$4,973,920,158
1927	36,650	1,072,284	3,671,185	1,464,871	2,206,314	1,605,378,086	4,804,172,874	4,606,940,039	197,232,835	9,400,061,376	4,595,888,502
1925	33,393	1,066,202	3,348,184	1,505,158	1,843,026	1,533,893,390	4,704,989,399	(4)	(4)	8,968,547,839	4,263,558,440
1923	38,186	1,150,901	3,263,325	1,709,453	1,553,872	1,581,349,221	4,764,626,479	(4)	(4)	8,960,638,400	4,196,011,921
1921	38,107	1,000,414	(5)	(5)	(5)	1,303,421,470	3,687,584,127	(4)	(4)	6,973,506,287	3,285,922,160
1919	49,330	1,228,130	2,926,963	1,755,986	1,170,977	1,458,206,804	4,943,213,919	4,780,956,952	162,256,967	8,867,004,906	3,923,790,987
1914	48,203	1,057,857	2,321,817	1,676,993	644,824	631,042,011	2,108,607,361	2,032,625,003	75,982,358	3,814,661,114	1,706,053,753
1909	44,935	1,003,981	1,969,922	1,579,977	389,945	557,230,839	1,856,904,342	1,794,107,326	62,797,016	3,369,490,192	1,512,585,850
1904	37,194	856,947	1,440,981	1,345,697	95,284	430,014,851	1,348,603,286	1,315,240,116	33,363,170	2,488,345,579	1,139,742,293
1899	35,957	726,909	1,065,160	1,017,392	47,768	337,323,585	1,018,377,186	(6)	(6)	1,871,830,872	853,453,686
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	7.5	3.1	8.6	−8.1	19.7	2.8	4.2	4.4	−1.4	6.2	8.2
1925–1927	9.8	0.6	9.6	−2.7	19.7	4.7	2.1			4.8	7.8
1923–1925	−12.6	−7.4	2.6	−12.0	18.6	−3.0	−1.3			0.1	1.6
1921–1923	0.2	15.0				21.3	29.2			28.5	28.3
1919–1921	−22.8	−18.5				−10.6	−25.4			−21.4	−16.7
1919–1929	−20.1	−9.9	36.2	−23.3	125.4	13.2	1.2	0.6	19.8	12.5	26.8
1909–1919	9.8	22.3	48.6	11.1	200.3	161.7	166.2	166.5	158.4	163.2	159.4
1899–1909	25.0	38.1	84.9	55.3	716.3	65.2	82.3			80.0	77.2

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	12, 588, 066	39, 395	1, 105, 966	3, 986, 781	$1, 650, 378, 858	$5, 004, 635, 985	$4, 810, 232, 972	$194, 403, 013	$9, 978, 556, 143	$4, 973, 920, 158
Industrial Areas										
New York City Area,[3] total	10, 160, 159	36, 401	918, 206	2, 172, 889	1, 416, 881, 044	4, 913, 697, 404	4, 797, 132, 925	116, 564, 479	9, 424, 294, 682	4, 510, 597, 278
Portion in New York	7, 451, 393	29, 968	589, 385	1, 062, 907	951, 180, 149	3, 117, 390, 636	3, 051, 886, 019	65, 504, 617	6, 275, 263, 099	3, 157, 872, 463
Portion in New Jersey	2, 708, 766	6, 433	328, 821	1, 109, 982	465, 700, 895	1, 796, 306, 768	1, 745, 246, 906	51, 059, 862	3, 149, 031, 583	1, 352, 724, 815
Buffalo Area [4]	911, 737	1, 923	115, 212	1, 079, 725	171, 674, 331	664, 250, 284	603, 025, 355	61, 224, 929	1, 157, 751, 878	493, 501, 594
Rochester Area [5]	423, 881	1, 052	63, 248	140, 714	88, 898, 033	167, 874, 189	160, 861, 237	7, 012, 952	420, 610, 921	252, 736, 732
Albany-Schenectady-Troy Area	456, 755	699	63, 112	315, 674	90, 807, 246	179, 750, 064	170, 182, 395	9, 567, 669	367, 471, 954	187, 721, 890
Counties										
Albany	211, 953	370	21, 954	89, 801	30, 321, 674	59, 572, 473	56, 855, 451	2, 717, 022	127, 774, 340	68, 201, 867
Allegany	38, 025	79	1, 180	6, 273	1, 492, 786	9, 790, 664	9, 599, 048	191, 616	11, 774, 682	1, 984, 018
Bronx (Bronx Borough) [3]	1, 265, 258	1, 204	24, 958	65, 401	40, 513, 431	73, 021, 421	67, 863, 381	5, 158, 040	176, 326, 999	103, 305, 578
Broome	147, 022	217	24, 937	49, 362	31, 356, 239	83, 781, 390	82, 113, 242	1, 668, 148	150, 268, 407	66, 487, 017
Cattaraugus	72, 398	156	5, 526	28, 024	7, 389, 100	29, 612, 736	28, 479, 225	1, 133, 511	42, 849, 974	13, 237, 238
Cayuga	64, 751	122	6, 774	24, 707	8, 135, 889	21, 420, 763	20, 615, 995	804, 768	41, 884, 673	20, 463, 910
Chautauqua [6]	126, 437	294	15, 508	57, 470	22, 161, 568	48, 651, 758	46, 962, 045	1, 689, 713	97, 732, 181	49, 080, 423
Chemung	74, 680	115	7, 938	25, 349	11, 129, 674	17, 071, 779	15, 796, 186	1, 275, 593	48, 665, 433	31, 593, 654
Chenango	34, 665	70	1, 704	5, 774	1, 703, 796	6, 953, 816	6, 734, 482	219, 334	14, 395, 404	7, 441, 588
Clinton	46, 687	51	1, 179	19, 691	1, 407, 932	4, 991, 351	4, 066, 403	924, 948	8, 597, 372	3, 606, 021
Columbia	41, 617	67	4, 314	39, 867	5, 423, 648	12, 914, 994	11, 219, 657	1, 695, 337	28, 857, 843	15, 942, 849
Cortland	31, 709	64	4, 182	14, 124	4, 818, 401	13, 815, 277	13, 281, 396	533, 881	28, 624, 352	14, 809, 075
Delaware	41, 163	69	1, 039	4, 788	1, 229, 534	3, 786, 443	3, 561, 184	225, 259	7, 147, 712	3, 361, 269
Dutchess	105, 462	188	7, 445	24, 004	9, 049, 788	16, 039, 524	15, 141, 553	897, 971	39, 520, 515	23, 481, 291
Erie [4]	762, 408	1, 630	92, 607	881, 733	138, 598, 934	557, 842, 360	509, 450, 310	48, 392, 050	945, 571, 524	387, 729, 164
Essex	33, 959	35	1, 096	27, 309	1, 335, 254	5, 683, 288	4, 267, 203	1, 416, 085	8, 328, 533	2, 645, 245
Franklin	45, 694	60	1, 082	11, 190	1, 258, 711	3, 908, 061	3, 637, 143	270, 918	6, 583, 265	2, 675, 204
Fulton [6]	46, 560	295	9, 079	16, 256	10, 052, 161	27, 157, 385	26, 458, 588	698, 797	51, 135, 115	23, 977, 730
Genesee	44, 468	75	4, 140	26, 392	5, 351, 664	14, 643, 519	13, 687, 575	955, 944	34, 719, 785	20, 076, 266
Greene	25, 808	43	991	14, 987	1, 109, 062	2, 119, 077	1, 330, 858	788, 219	4, 933, 993	2, 814, 916
Hamilton	3, 929	4	33	210	26, 384	11, 257	11, 125	132	62, 145	50, 888
Herkimer	64, 006	115	11, 246	40, 557	13, 139, 972	18, 579, 672	17, 643, 241	936, 431	53, 195, 981	34, 616, 309
Jefferson	83, 574	158	5, 473	83, 852	6, 724, 609	24, 801, 720	22, 898, 418	1, 903, 302	45, 465, 710	20, 663, 990
Kings (Brooklyn Borough) [3]	2, 560, 401	5, 818	146, 648	394, 990	214, 949, 571	592, 184, 262	571, 059, 876	21, 124, 386	1, 214, 090, 535	621, 906, 273
Lewis	23, 447	51	1, 393	36, 290	1, 688, 268	6, 742, 825	6, 238, 714	504, 111	10, 261, 557	3, 518, 732
Livingston	37, 560	58	2, 228	11, 030	2, 650, 754	6, 690, 607	6, 392, 010	298, 597	16, 111, 780	9, 421, 173
Madison	39, 790	87	1, 619	4, 914	1, 976, 254	4, 412, 899	4, 251, 678	161, 221	9, 345, 899	4, 933, 000
Monroe [5]	423, 881	1, 052	63, 248	140, 714	88, 898, 033	167, 874, 189	160, 861, 237	7, 012, 952	420, 610, 921	252, 736, 732
Montgomery	60, 076	113	11, 851	21, 776	13, 471, 073	37, 170, 399	36, 229, 119	941, 280	68, 516, 751	31, 346, 352
Nassau	303, 053	197	3, 611	13, 091	5, 561, 316	6, 749, 869	6, 122, 516	627, 353	24, 742, 182	17, 992, 313
New York (Manhattan Borough) [3]	1, 867, 312	20, 797	328, 230	314, 588	558, 754, 981	1, 942, 634, 397	1, 916, 806, 954	25, 827, 443	3, 986, 303, 344	2, 043, 669, 447
Niagara [4]	149, 329	293	22, 605	197, 992	33, 075, 397	106, 407, 924	93, 575, 045	12, 832, 879	212, 180, 354	105, 772, 430
Oneida [6]	198, 763	400	26, 728	119, 666	30, 710, 752	89, 493, 894	85, 136, 940	4, 356, 954	161, 232, 522	71, 738, 628
Onondaga [5]	291, 606	549	35, 060	172, 228	52, 555, 512	101, 725, 524	93, 406, 857	8, 318, 667	243, 340, 555	141, 615, 331
Ontario	54, 276	104	3, 536	14, 000	4, 668, 535	11, 340, 665	10, 762, 274	578, 391	23, 250, 076	11, 909, 411
Orange [6]	130, 383	243	10, 558	27, 707	13, 283, 834	24, 069, 806	22, 639, 668	1, 430, 138	52, 108, 156	28, 038, 350
Orleans	28, 795	78	1, 795	6, 457	1, 737, 467	5, 423, 260	5, 242, 970	180, 290	10, 252, 418	4, 829, 158
Oswego	69, 645	111	7, 258	46, 990	8, 374, 000	29, 748, 269	28, 051, 242	1, 697, 027	53, 697, 392	23, 949, 123
Otsego	46, 710	61	1, 791	5, 583	2, 423, 145	8, 887, 549	8, 684, 917	202, 632	14, 429, 736	5, 542, 207
Putnam	13, 744	16	169	470	277, 429	267, 613	233, 532	34, 081	1, 072, 064	804, 451
Queens (Queens Borough) [3]	1, 079, 129	1, 417	55, 166	147, 797	85, 461, 966	278, 860, 787	271, 463, 336	7, 397, 451	515, 178, 834	236, 318, 047
Rensselaer [6]	119, 781	203	15, 474	51, 126	16, 730, 861	33, 063, 355	29, 418, 309	3, 645, 046	71, 272, 950	38, 209, 595
Richmond (Richmond Borough) [3]	158, 346	210	8, 247	55, 846	12, 594, 647	60, 428, 906	58, 186, 484	2, 242, 422	92, 354, 729	31, 925, 823
Rockland	59, 599	81	3, 719	15, 738	5, 212, 574	10, 357, 831	9, 842, 824	715, 007	25, 103, 130	14, 545, 299
St. Lawrence	90, 960	169	6, 095	117, 229	8, 443, 626	52, 334, 554	47, 637, 839	4, 696, 715	79, 106, 805	26, 772, 251
Saratoga	63, 314	106	5, 241	66, 426	5, 888, 090	22, 285, 656	20, 978, 453	1, 307, 203	35, 661, 678	13, 376, 022
Schenectady	125, 021	126	25, 684	174, 747	43, 754, 711	87, 114, 236	83, 908, 635	3, 205, 601	168, 424, 664	81, 310, 428
Schoharie	19, 667	34	415	7, 469	505, 915	1, 236, 695	1, 019, 358	217, 337	2, 864, 298	1, 627, 603
Schuyler	12, 909	14	612	3, 200	853, 007	1, 950, 102	1, 726, 365	223, 737	5, 233, 431	3, 275, 329
Seneca	24, 983	42	2, 096	8, 728	2, 684, 326	4, 403, 202	3, 447, 839	955, 363	11, 361, 886	6, 958, 684
Steuben	82, 671	127	7, 343	17, 835	10, 515, 670	16, 286, 243	15, 260, 562	1, 025, 681	42, 368, 686	26, 082, 443
Suffolk	161, 055	182	2, 760	9, 387	3, 699, 829	5, 626, 898	5, 069, 518	557, 380	14, 915, 951	9, 289, 053
Sullivan	35, 272	58	245	1, 343	285, 222	841, 437	806, 260	35, 177	1, 562, 956	721, 519
Tioga	25, 480	29	909	2, 635	973, 360	4, 898, 184	4, 826, 948	71, 236	7, 783, 968	2, 885, 784
Tompkins	41, 490	52	3, 306	13, 540	4, 905, 065	3, 313, 554	2, 788, 533	525, 021	16, 081, 861	12, 768, 307
Ulster	80, 155	164	6, 634	18, 722	6, 671, 178	13, 762, 445	12, 942, 479	819, 966	28, 631, 740	14, 869, 295
Warren	34, 174	75	3, 151	37, 535	3, 309, 428	8, 722, 568	7, 881, 003	841, 565	17, 317, 262	8, 594, 694
Washington	46, 482	67	4, 091	42, 537	4, 210, 950	13, 768, 826	12, 969, 843	798, 983	22, 746, 098	8, 977, 272
Wayne	49, 995	115	2, 767	11, 608	2, 890, 216	9, 598, 274	9, 266, 841	331, 433	17, 595, 691	7, 997, 417
Westchester [3]	520, 947	522	26, 136	84, 285	38, 905, 553	170, 260, 863	166, 505, 988	3, 754, 875	291, 008, 158	120, 747, 295
Wyoming	28, 764	64	2, 320	9, 236	2, 285, 628	5, 640, 284	5, 336, 077	304, 207	12, 902, 411	7, 262, 127
Yates	16, 848	29	842	4, 205	780, 504	1, 676, 406	1, 540, 220	136, 186	3, 145, 656	1, 469, 250
Cities having 10,000 inhabitants or more [7]										
Albany	127, 412	227	8, 097	21, 092	11, 492, 943	23, 316, 148	22, 441, 412	874, 736	52, 600, 178	29, 284, 030
Amsterdam	34, 817	62	10, 001	16, 403	11, 545, 907	28, 195, 223	27, 427, 638	768, 585	51, 655, 835	23, 459, 612
Auburn	36, 652	92	6, 568	23, 201	7, 941, 366	17, 532, 571	16, 754, 967	777, 604	37, 245, 055	19, 712, 484
Batavia	17, 375	47	2, 858	8, 379	3, 672, 756	6, 104, 150	5, 822, 732	281, 418	13, 050, 715	6, 946, 565
Beacon	11, 933	33	1, 245	4, 213	1, 661, 433	2, 549, 528	2, 407, 672	141, 856	5, 600, 605	3, 051, 077

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Cities having 10,000 inhabitants or more [7]—Continued										
Binghamton	76,662	163	9,294	15,670	$10,732,859	$26,674,791	$26,059,865	$614,926	$53,052,403	$26,377,612
Buffalo [3]	573,076	1,391	68,854	398,540	100,577,592	440,027,589	420,856,099	19,171,490	720,200,980	280,173,391
Cohoes	23,226	64	4,904	25,396	5,139,665	9,759,655	9,254,467	605,188	19,597,141	9,837,486
Corning	15,777	28	2,397	4,147	3,246,767	2,953,176	2,314,705	638,471	12,065,323	9,112,147
Cortland	15,043	39	3,498	12,698	4,227,475	12,028,079	11,538,597	489,482	25,056,173	13,027,094
Dunkirk	17,802	33	2,849	18,796	3,972,531	9,310,260	8,651,078	659,182	16,970,998	7,660,738
Elmira	47,397	99	5,700	18,861	8,110,540	12,354,126	11,426,080	928,046	31,877,717	19,523,591
Floral Park	10,016	7	31	206	66,099	69,533	66,005	3,528	222,704	163,171
Freeport	15,467	12	186	216	263,053	225,837	211,876	13,961	651,945	426,108
Fulton	12,462	23	3,324	20,016	4,068,172	14,951,023	14,106,575	844,448	26,811,035	11,860,012
Geneva	16,053	39	1,777	8,248	2,595,823	5,500,931	5,184,858	316,073	12,088,338	6,587,407
Glens Falls	18,531	52	2,390	31,432	2,529,878	5,527,877	4,800,296	727,581	12,216,961	6,689,084
Gloversville	23,099	167	5,281	8,086	6,088,730	17,183,875	16,788,967	394,908	31,326,084	14,142,209
Hempstead	12,650	23	272	3,165	359,847	1,110,582	846,862	263,720	2,663,571	1,552,989
Herkimer	10,446	20	1,325	4,898	1,518,902	2,151,703	2,058,961	92,742	5,050,617	2,898,914
Hornell	16,250	29	2,629	5,934	3,740,040	4,553,713	4,407,962	145,751	10,959,109	6,405,396
Hudson	12,337	22	888	2,078	901,863	1,743,335	1,635,266	108,069	4,077,408	2,334,073
Ithaca	20,708	38	2,073	5,393	3,110,784	1,743,671	1,522,237	221,434	8,757,096	7,013,425
Jamestown	45,155	135	9,040	25,131	13,787,997	23,825,310	23,177,632	647,678	54,219,698	30,394,388
Johnstown	10,801	95	2,808	5,574	2,955,188	7,507,452	7,283,301	224,151	15,077,308	7,569,856
Kenmore	16,482	5	15	22	27,051	47,908	44,522	3,386	142,461	94,553
Kingston	28,088	92	4,189	7,411	4,190,281	7,930,971	7,553,379	377,692	17,369,808	9,438,837
Little Falls	11,105	35	2,570	14,626	2,857,634	6,481,828	6,211,717	270,111	12,828,496	6,346,668
Lockport	23,160	65	3,987	25,356	5,810,822	22,284,436	21,469,402	815,034	38,769,485	16,485,049
Lynbrook	11,993	8	95	514	162,436	248,040	233,777	14,263	686,472	438,432
Mamaroneck	11,766	17	247	634	344,814	562,711	524,140	38,571	1,341,095	778,384
Massena	10,637	14	136	470	144,026	719,328	683,762	35,566	877,373	158,045
Middletown	21,276	48	1,529	2,913	1,898,222	2,018,837	1,876,444	142,393	5,733,395	3,714,558
Mount Vernon	61,499	87	1,919	4,592	2,920,673	4,073,256	3,828,526	244,730	11,386,387	7,313,131
Newburg	31,275	96	4,478	10,648	5,330,947	13,485,526	12,844,242	641,284	26,450,277	12,964,751
New Rochelle	54,000	46	858	2,410	1,401,662	1,983,552	1,905,600	77,952	5,021,235	3,037,683
New York [3]	6,930,446	29,446	563,249	978,622	912,274,596	2,947,129,773	2,885,380,031	61,749,742	5,984,254,941	3,037,125,168
Bronx Borough (Bronx County)	1,265,258	1,204	24,958	65,401	40,513,431	73,021,421	67,863,381	5,158,040	176,326,999	103,305,578
Brooklyn Borough (Kings County)	2,560,401	5,818	146,648	394,990	214,949,571	592,184,262	571,059,876	21,124,386	1,214,090,535	621,906,273
Manhattan Borough (New York County)	1,867,312	20,797	328,230	314,588	558,754,981	1,942,634,397	1,916,806,954	25,827,443	3,986,303,844	2,043,669,447
Queens Borough (Queens County)	1,079,129	1,417	55,166	147,797	85,461,966	278,860,787	271,463,336	7,397,451	515,178,834	236,318,047
Richmond Borough (Richmond County)	158,346	210	8,247	55,846	12,594,647	60,428,906	58,186,484	2,242,422	92,354,729	31,925,823
Niagara Falls	75,460	123	13,211	114,156	19,870,497	63,707,475	53,762,922	9,954,553	131,207,257	67,499,782
North Tonawanda	19,019	56	4,261	37,787	5,900,506	15,993,042	14,324,791	1,668,251	33,633,312	17,640,270
Ogdensburg	16,915	37	1,068	14,415	1,384,518	5,047,216	4,651,024	396,192	8,302,394	3,255,178
Olean	21,790	51	2,740	12,360	3,737,639	16,275,071	15,636,130	638,941	21,427,469	5,162,398
Oneida	10,558	28	932	2,390	1,241,905	2,037,561	1,956,726	80,835	5,309,377	3,271,816
Oneonta	12,536	22	1,322	3,902	1,938,376	5,652,225	5,512,613	139,612	9,333,517	3,681,292
Ossining	15,241	19	603	1,226	600,036	1,399,686	1,347,002	52,684	3,275,325	1,875,639
Oswego	22,652	41	2,835	20,240	3,123,001	10,774,420	10,071,752	702,668	19,397,188	8,622,766
Peekskill	17,125	30	967	13,772	1,386,651	2,740,277	2,367,940	372,337	5,992,788	3,252,481
Plattsburg	13,349	28	584	9,882	677,259	2,315,915	2,024,124	291,791	4,376,668	2,060,753
Port Chester	22,662	27	1,595	5,985	2,361,874	5,503,919	5,301,363	202,556	12,785,309	7,281,390
Port Jervis	10,243	25	1,673	2,456	2,263,537	3,025,686	2,814,846	210,840	6,642,336	3,616,650
Poughkeepsie	40,288	115	5,195	10,203	6,249,138	12,026,261	11,455,118	571,143	30,119,092	18,092,831
Rensselaer	11,223	17	1,973	8,514	2,841,148	8,172,574	7,871,434	301,140	15,833,257	7,660,683
Rochester [4]	328,132	935	58,448	119,530	82,416,463	142,973,981	136,636,599	6,337,382	380,701,393	237,727,412
Rockville Center	13,718	12	87	509	167,056	156,053	130,753	25,300	734,053	578,000
Rome	32,338	56	5,762	31,148	7,223,111	40,390,025	39,168,357	1,221,668	57,032,917	16,642,892
Saratoga Springs	13,169	30	259	1,073	338,208	718,982	683,914	35,068	1,693,393	974,411
Sebenectady	95,692	114	25,366	174,311	43,410,388	86,533,446	83,346,370	3,187,076	167,146,411	80,612,965
Syracuse [5]	209,326	445	26,486	82,052	39,151,879	77,646,012	73,747,512	3,898,500	181,798,450	104,152,438
Tonawanda	12,681	24	2,078	15,997	2,990,610	7,601,743	7,104,115	497,628	17,713,642	10,111,899
Troy	72,763	149	11,272	31,661	11,399,319	20,144,434	17,236,887	2,907,547	44,418,327	24,273,893
Utica [6]	101,740	216	13,195	51,616	14,319,579	31,370,579	29,155,819	2,214,760	65,186,803	33,816,224
Valley Stream	11,790	5	17	60	26,780	43,995	41,810	2,185	97,591	53,596
Watertown	32,205	60	3,030	20,096	3,651,461	8,304,476	7,697,108	607,368	20,140,137	11,835,661
Watervliet	16,083	24	1,409	3,668	1,559,751	4,837,796	4,738,511	99,285	10,253,265	5,415,469
White Plains	35,830	34	431	1,060	780,213	994,899	937,566	57,333	3,076,192	2,081,293
Yonkers	134,646	141	13,127	31,442	17,283,517	73,165,755	71,317,461	1,848,294	113,536,679	40,370,924

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The New York City Industrial Area comprises Bronx, Kings, New York, Queens, Richmond, and Westchester Counties, N. Y., and Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties, N. J. For statistics by industries for this area, and for Bronx, Kings, New York, Queens, and Richmond Counties, see Table 13.
[4] The Buffalo Industrial Area comprises Erie and Niagara Counties. For statistics by industries for this area, see Table 13.
[5] The Rochester Industrial Area is coextensive with Monroe County. For statistics by industries for this area, see Table 13.
[6] For statistics by industries for this county, see Table 13.
[7] Not including Endicott, Glen Cove, Johnson City, and Lackawanna, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments.
[8] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	1,359,731	988,649	371,082	28,374	27,258	1,116	[2] 33,287	[2] 31,300	[2] 1,987	[2] 192,104	[2] 123,053	[2] 69,051	1,105,966	[3] 807,038	[3] 298,928
1919 [1,4]	1,524,761	1,095,371	429,390	49,484	47,285	2,199	24,832	23,460	1,372	222,315	147,946	74,369	1,228,130	876,680	351,450
1914 [4]	1,289,098	927,648	361,450	48,636	46,333	2,303	16,565	15,786	779	166,040	120,536	45,504	1,057,857	744,993	312,864
1909	1,203,241	869,434	333,807	47,569	45,429	2,140	12,916	12,481	435	138,775	104,883	33,892	1,003,981	706,641	297,340

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 3,151; male 3,062; female, 89. Other salaried officers and employees—total, 47,370; male, 29,041; female, 18,329. The corresponding data for 1919 and earlier years are included in the respective items for those years, but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	1,105,966	1,066,743	1,095,065	1,117,542	1,113,582	1,099,151	1,088,193	1,087,809	1,118,659	1,149,530	**1,153,205**	1,116,434	*1,065,681*	92.4
1919 [1]	1,228,130	*1,179,216*	1,182,279	1,187,865	1,194,824	1,186,937	1,191,679	1,228,077	1,260,592	1,272,811	1,260,413	1,281,760	**1,311,087**	89.9
1914 [1]	1,057,857	1,055,575	1,078,354	**1,094,773**	1,084,215	1,067,030	1,053,471	1,033,953	1,037,475	1,067,384	1,072,512	1,034,649	*1,014,898*	92.7
1909 [1]	1,003,981	*945,556*	971,236	991,633	989,498	983,987	980,503	977,203	998,896	1,041,333	**1,063,162**	1,059,852	1,045,110	88.9

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	39,395	1,105,966	45 and over but under 48	2,521	83,258
			48	7,011	330,392
Not reported	4,383	12,770	Over 48 but under 54	3,943	231,709
Under 40	512	3,763	54	1,309	53,233
40	4,698	69,585	Over 54 but under 60	806	46,202
Over 40 but under 44	681	44,496	60 and over	928	22,800
44 and over but under 45	12,603	207,758			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	39,395	49,330	44,935	1,105,966	1,228,130	1,003,981	51 to 100	1,918	2,107	2,050	135,780	148,875	145,116
							101 to 250	1,226	1,309	1,253	185,526	204,318	189,485
No wage earners	1,845	6,847	4,667				251 to 500	394	432	384	134,655	151,320	132,046
1 to 5	17,016	21,448	20,799	48,708	49,973	48,402	501 to 1,000	161	206	143	110,095	143,650	98,443
6 to 20	11,932	11,648	10,524	134,720	134,160	121,330	1,001 to 2,500	83	106	58	117,905	226,236	106,463
21 to 50	4,802	5,227	5,057	153,922	169,598	162,696	2,501 and over	18			84,655		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	39,395	49,330	44,935	1,105,966	1,228,130	1,003,981	$9,978,556,143	$8,867,004,906	$3,369,490,192	$4,973,920,158	$3,923,790,987	$1,512,585,850
Less than $5,000	(2)	8,743	12,274	(2)	4,797	15,130	(2)	22,062,902	29,649,739	(2)	14,300,330	18,996,135
$5,000 to $19,999	10,109	13,378	15,325	27,260	36,330	83,503	116,725,758	147,170,788	165,058,226	75,681,496	86,680,694	93,919,002
$20,000 to $99,999	16,166	15,621	11,614	132,847	154,569	211,736	757,264,089	732,562,634	515,939,471	457,971,399	384,843,905	266,722,940
$20,000 to $49,999	9,963	(3)	(3)	62,802	(3)	(3)	318,075,585	(3)	(3)	203,173,097	(3)	(3)
$50,000 to $99,999	6,203	(3)	(3)	70,045	(3)	(3)	439,188,504	(3)	(3)	254,798,302	(3)	(3)
$100,000 to $499,999	9,516	8,467	5,252	265,970	293,380	438,229	2,148,758,091	1,894,735,736	1,412,874,684	1,107,029,386	877,238,234	664,347,244
$100,000 to $249,999	6,222	(3)		129,217	(3)		992,686,320	(3)		522,308,958	(3)	
$250,000 to $499,999	3,294	(3)		136,753	(3)		1,156,071,771	(3)		584,720,428	(3)	
$500,000 to $999,999	1,935	1,664	470	146,821	162,129	255,383	1,341,299,432	1,163,979,076	1,245,968,072	662,541,700	528,685,065	468,600,529
$1,000,000 and over	1,669	1,457		533,068	576,925		5,614,508,773	4,906,493,770		2,670,696,177	2,032,042,759	
$1,000,000 to $2,499,999	1,141	(3)	(3)	167,050	(3)	(3)	1,719,864,682	(3)	(3)	846,665,219	(3)	(3)
$2,500,000 to $4,999,999	313	(3)	(3)	117,511	(3)	(3)	1,082,477,439	(3)	(3)	555,558,013	(3)	(3)
$5,000,000 and over	215	(3)	(3)	248,507	(3)	(3)	2,812,166,652	(3)	(3)	1,268,472,945	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	39,395	49,330	1,105,966	1,228,130	$9,978,556,143	$8,867,004,906	$4,973,920,158	$3,923,790,987
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	18,246	14,383	920,043	933,622	8,294,585,116	6,548,076,609	4,181,954,360	2,918,332,722
Other forms of ownership or control (individual, partnership, etc.)	21,149	34,947	185,923	294,508	1,683,971,027	2,318,928,297	791,965,798	1,005,458,265
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	2,602	(1)	408,480	(1)	3,768,393,019	(1)	1,759,062,635	(1)
Independent (single-unit)	36,793	(1)	697,486	(1)	6,210,163,124	(1)	3,214,857,523	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	3,986,781	1,346,844	4,522	626,281	867	432,107	687	77,900	828	210,556	371,597	2,639,937	63,349	724,774
1927	3,671,185	1,464,871	5,024	731,496	868	412,367	845	64,650	1,038	256,358	288,119	2,206,314	84,677	826,464
1925	3,348,184	1,505,158	5,545	768,540	675	370,660	1,179	72,111	1,303	293,847	240,037	1,843,026	76,666	710,377
1919 [1]	2,926,963	1,755,986	8,627	1,050,738	638	248,810	3,076	113,415	1,986	343,023	170,262	1,170,977	54,669	512,861
1914 [1]	2,321,817	1,676,993	[2]11,223	[2]1,165,731	(3)	(3)	4,530	118,330	3,130	392,932	96,586	644,824	34,805	398,308
Industrial Areas														
New York City Area, total	2,172,889	813,623	3,048	431,827	637	352,850	379	27,872	28	1,074	292,793	1,359,266	65,822	604,238
Portion in New York (Bronx, Kings, New York, Queens, Richmond, and Westchester Counties)	1,062,907	297,865	1,575	196,821	259	85,952	208	14,891	16	201	194,079	765,042	18,132	165,488
Portion in New Jersey (Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties)	1,109,982	515,758	1,473	235,006	378	266,898	171	12,981	13	873	98,714	594,224	37,690	338,750
Buffalo Area (Erie and Niagara Counties)	1,079,725	243,911	567	128,347	170	77,036	77	37,106	11	1,422	46,834	835,814	6,165	139,867
Rochester Area (coextensive with Monroe County)	140,714	48,902	183	27,479	23	19,455	22	718	12	1,250	17,343	91,812	8,739	50,517
Albany-Schenectady-Troy Area (Albany, Rensselaer, and Schenectady Counties)	315,674	104,852	146	30,182	61	62,028	31	1,236	21	11,406	27,967	210,822	4,109	52,458
Counties in which aggregate horsepower exceeded 25,000: 1929														
Albany	89,801	22,791	53	8,768	9	4,677	6	247	6	9,099	5,801	67,010	1,688	14,320
Bronx	65,401	7,399	43	4,825	2	55	24	2,619			10,043	68,002	609	4,166
Broome	49,362	10,019	36	5,428	6	4,511	2	80			10,798	39,343	1,845	12,406
Cattaraugus	28,024	14,022	94	8,420	19	4,045	10	1,523	2	34	1,796	14,002	1,067	9,385
Chautauqua	67,470	17,123	105	12,560	4	3,233	9	340	7	1,000	4,755	40,347	1,891	23,946
Chemung	25,349	7,336	37	6,757	7	517	2	62			2,608	18,013	540	6,367
Columbia	39,867	31,635	36	13,214	9	16,364	4	165	12	1,892	878	8,232	695	16,236
Erie	881,733	225,687	527	119,161	150	69,985	70	36,390	4	151	34,681	656,046	6,859	136,649
Essex	27,309	22,355	22	[4]3,906	7	8,825	1	(4)	24	9,624	283	4,954	200	4,400
Genesee	26,392	5,531	24	1,366	12	3,815	10	275	2	75	1,869	20,861	477	6,159
Herkimer	40,557	20,057	45	[4]9,960	3	1,912	1	(4)	34	8,185	2,171	20,500	933	6,446
Jefferson	83,852	42,853	65	6,539	19	7,968	8	215	138	28,131	1,957	40,999	865	9,088
Kings	394,990	101,946	732	80,771	52	16,273	73	4,825	4	77	48,780	293,044	5,230	36,605
Lewis	36,290	27,337	22	2,841	4	452	12	7,106	40	16,938	458	8,953	172	3,742
Monroe	140,714	48,902	183	27,479	23	19,455	22	718	12	1,250	17,343	91,812	8,739	50,617
New York	314,588	78,784	472	56,106	110	18,906	44	3,688	9	84	107,636	235,804	5,312	64,239
Niagara	197,992	18,224	40	9,186	20	7,051	7	716	7	1,271	12,153	179,768	306	4,318
Oneida	119,666	42,047	124	19,026	30	20,793	27	451	21	1,777	9,364	77,619	898	11,134
Onondaga	172,228	66,453	202	27,309	63	34,753	13	376	44	4,015	11,870	105,775	1,759	27,882
Orange	27,707	11,841	62	7,734	15	2,524	14	640	10	943	3,316	15,866	676	6,839
Oswego	46,990	16,308	43	5,188	6	8,916	13	184	20	2,020	2,357	30,682	1,660	13,876
Queens	147,797	47,432	157	23,634	66	22,076	19	1,722			19,256	100,365	3,039	23,492
Rensselaer	51,126	24,769	68	12,251	42	9,901	4	310	16	2,307	3,001	26,357	1,271	10,138
Richmond	55,846	14,441	50	[5]10,332	7	3,760	11	349	1	(5)	2,590	41,405	895	7,363
St. Lawrence	117,229	27,297	82	6,435	8	3,654	4	15	120	17,193	2,444	89,932	565	8,873
Saratoga	66,426	60,367	57	[6]9,335	5	8,005	1	(4)	42	43,027	744	6,059	918	27,911
Schenectady	174,747	57,292	25	9,163	10	47,450	21	679			19,165	117,455	1,150	28,000
Warren	37,535	24,094	25	[6]2,522	1	(5)	2	184	29	21,388	782	13,441	179	2,595
Washington	42,537	31,257	36	4,946	11	4,916	2	87	48	21,308	1,283	11,280	919	19,757
Westchester	84,285	47,863	121	[5]21,193	32	24,882	37	1,788	1	(5)	5,874	36,422	3,147	29,624

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.
[5] Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.
[6] Item for steam turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	3,986,781	1,346,844	2,639,937	724,774	New York	314,588	78,784	235,804	64,239
					Niagara	197,992	18,224	179,768	4,318
Albany	89,801	22,791	67,010	14,320	Oneida	119,666	42,047	77,619	11,134
Allegany	6,273	2,963	3,310	964	Onondaga	172,228	66,453	105,775	27,882
Bronx	65,401	7,399	58,002	4,165	Ontario	14,000	3,034	10,966	1,355
Broome	49,362	10,019	39,343	12,406					
Cattaraugus	28,024	14,022	14,002	9,385	Orange	27,707	11,841	15,866	6,839
					Orleans	6,457	2,335	4,122	902
Cayuga	24,707	8,272	16,435	800	Oswego	46,990	16,308	30,682	13,876
Chautauqua	57,470	17,123	40,347	23,946	Otsego	5,583	2,142	3,441	370
Chemung	25,349	7,336	18,013	6,367	Putnam	470	334	136	154
Chenango	5,774	3,675	2,099	2,083					
Clinton	19,691	10,649	9,042	3,209	Queens	147,797	47,432	100,365	23,492
					Rensselaer	51,126	24,769	26,357	10,138
Columbia	39,867	31,635	8,232	16,236	Richmond	55,846	14,441	41,405	7,263
Cortland	14,124	9,848	4,276	3,984	Rockland	15,738	11,117	4,621	8,756
Delaware	4,788	2,818	1,970	125	St. Lawrence	117,229	27,297	89,932	8,873
Dutchess	24,004	8,418	15,586	6,065					
Erie	881,733	225,687	656,046	135,549	Saratoga	66,426	60,367	6,059	27,911
					Schenectady	174,747	57,292	117,455	28,000
Essex	27,309	22,355	4,954	4,400	Schoharie	7,469	6,560	909	6,515
Franklin	11,190	5,401	5,789	183	Schuyler	3,200	2,758	442	2,293
Fulton	16,256	5,226	11,030	1,539	Seneca	8,728	4,130	4,598	3,001
Genesee	26,392	5,531	20,861	5,159					
Greene	14,987	7,068	7,919	6,002	Steuben	17,835	13,670	4,165	12,773
					Suffolk	9,387	5,304	4,083	1,834
Hamilton	210	210			Sullivan	1,343	867	476	55
Herkimer	40,557	20,057	20,500	6,446	Tioga	2,635	637	1,998	325
Jefferson	83,852	42,853	40,999	9,088					
Kings	394,990	101,946	293,044	36,605	Tompkins	13,540	10,406	3,134	11,835
Lewis	36,290	27,337	8,953	3,742	Ulster	18,722	8,079	10,643	2,403
					Warren	37,535	24,094	13,441	2,595
Livingston	11,030	5,786	5,244	5,020	Washington	42,537	31,257	11,280	19,757
Madison	4,914	2,329	2,585	1,004					
Monroe	140,714	48,902	91,812	50,517	Wayne	11,608	5,153	6,455	1,376
Montgomery	21,776	9,334	12,442	9,050	Westchester	84,285	47,863	36,422	29,624
Nassau	13,091	5,506	7,585	1,720	Wyoming	9,236	6,137	3,099	4,445
					Yates	4,205	3,216	989	262

[1] Horsepower of electric motors driven by energy generated in establisbments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[Tbe figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KINn	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	17,998,422	$79,508,977	17,412,576	17,514,958	15,796,088	13,883,231	12,191,311
Anthracite (tons, 2,240 lbs.)	1,729,585	9,740,654	[3]	3,129,452	3,805,763	3,617,927	4,021,671
Bituminous (tons, 2,000 lbs.)	16,061,287	69,768,323	[3]	14,009,972	11,533,633	9,831,153	7,687,039
Coke (tons, 2,000 lbs.)	3,555,150	19,727,996	[4]	[4]	3,019,517	2,274,487	2,644,148
Fuel oils, including crude oils and gas oils (gallons) [5]	423,851,874	19,033,718	[4]	[4]	288,621,858	214,327,638	167,800,920
Gasoline and kerosene (gallons) [5]	3,723,528	532,790	[4]	[4]	5,251,050		
Gas, natural (M cu. ft.)	1,886,471	1,007,578	[4]	[4]	4,712,372	4,056,639	5,129,045
Gas, manufactured (M cu. ft.)	118,641,235	12,012,017	[4]	[4]			
Otber fuels		899,180	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	6,871,738,654	65,534,258	[6]	[4]	[4]	[4]	[4]
			Cost	Cost	Cost	Cost	Cost
Total cost of fuel and purchased energy		[7] 198,256,514	$197,232,835	[8]	$162,256,967	$75,982,358	$62,797,016

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and tbe number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] Tbe difference between tbis total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establisbments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [2]	Value added by manufacture [3]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	39,395	225,391	1,105,966	1,346,844	2,639,937	644,503,633	1,650,378,858	4,810,232,972	194,403,013	9,978,556,143	4,973,920,158
Agricultural implements	21	344	2,652	4,934	3,950	866,286	3,602,539	5,813,018	393,912	12,953,573	6,746,643
Aircraft and parts	22	954	4,192	260	3,114	2,918,070	6,136,052	4,804,752	172,159	17,225,764	12,248,853
Artificial and preserved flowers and plants	114	213	1,664	-------	247	565,529	1,918,267	2,844,143	33,078	8,000,809	5,123,588
Artists' materials	21	64	172	-------	235	289,566	245,076	463,642	12,772	1,560,375	1,083,961
Asbestos products, other than steam packing or pipe and boiler covering	5	26	82	100	802	77,126	109,592	173,022	16,402	542,275	352,851
Awnings, tents, sails, and canvas covers	198	297	1,141	102	597	840,478	1,740,986	4,028,627	49,476	8,938,608	4,860,505
Bags, other than paper, not made in textile mills	38	244	1,715	2,040	1,444	876,425	1,737,895	24,822,505	70,394	29,849,322	4,956,423
Bags, paper, exclusive of those made in paper mills	32	285	1,947	30	3,069	822,727	1,926,810	14,225,671	78,531	21,224,070	6,919,868
Baking powders, yeast, and other leavening compounds	11	102	571	12,796	362	318,766	971,203	3,670,155	289,706	6,836,214	2,876,353
Baskets and rattan and willow ware, not including furniture	61	93	1,145	1,334	1,707	229,430	1,098,322	1,524,163	45,180	3,683,857	2,114,544
Belting, leather	32	142	336	1,015	285	467,950	474,230	3,420,939	40,476	5,309,143	1,847,728
Beverages	463	891	3,582	19,130	11,100	2,567,511	5,628,879	13,292,054	1,057,008	38,271,074	23,922,012
Billiard and pool tables, bowling alleys, and accessories	13	21	135	180	278	70,193	205,308	322,014	10,941	823,964	491,009
Blacking, stains, and dressings	21	88	133	-------	246	256,389	152,100	908,556	8,155	2,152,404	1,235,693
Bookbinding and blank-book making	428	1,586	10,126	274	7,765	4,382,423	13,912,337	12,123,170	389,674	42,017,692	29,504,848
Boot and shoe cut stock, not made in boot and shoe factories	29	25	239	-------	281	62,038	265,038	848,865	10,655	1,691,148	831,628
Boot and shoe findings, not made in boot and shoe factories	50	269	1,305	125	2,438	696,643	1,611,253	4,079,012	97,520	7,952,863	3,776,331
Boots and shoes, other than rubber	323	3,725	36,980	4,397	25,555	9,465,015	49,266,111	92,817,822	914,107	189,775,703	96,043,774
Boxes, cigar, wooden	12	42	487	60	404	152,943	504,345	536,144	15,659	1,410,565	858,762
Boxes, paper, not elsewhere classified	343	1,766	12,290	2,834	11,124	5,819,639	13,531,733	28,427,372	527,559	62,509,788	33,554,857
Boxes, wooden, except cigar boxes	67	156	1,120	1,192	3,653	500,705	1,426,826	3,394,696	102,553	6,740,048	3,242,797
Bread and other bakery products	3,199	3,824	33,704	8,583	43,602	9,378,202	52,771,427	129,803,375	5,503,807	295,199,431	159,892,249
Brooms	35	57	496	185	377	178,209	525,040	1,098,519	24,301	2,339,057	1,216,237
Brushes, other than rubber	75	233	1,909	362	1,463	726,045	2,067,437	5,685,849	98,487	11,026,209	5,241,873
Butter	35	71	112	187	1,048	143,448	183,522	3,540,408	36,271	4,420,390	843,711
Buttons	85	344	2,468	730	3,762	898,711	2,673,610	3,899,420	161,156	9,809,948	5,749,372
Candles	13	123	635	1,470	365	423,046	767,658	2,615,492	62,777	5,534,104	2,855,835
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	23	85	236	-------	248	288,838	287,741	4,435,677	47,987	7,200,887	2,717,223
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	279	1,122	7,810	9,481	14,018	2,961,221	7,053,829	46,772,638	662,257	75,407,504	27,972,609
Car and general construction and repairs, electric-railroad repair shops	36	736	7,984	-------	13,114	1,661,902	13,750,700	7,964,181	590,981	23,998,252	15,443,090
Car and general construction and repairs, steam-railroad repair shops	140	2,293	21,706	16,140	32,772	5,727,637	37,729,752	28,399,770	1,924,557	73,832,097	43,507,770
Carbon paper and inked ribbons	23	233	493	213	1,043	753,329	744,026	3,552,362	56,990	7,214,206	3,604,854
Card cutting and designing	27	118	590	-------	756	272,324	696,110	2,281,896	25,821	5,416,859	3,109,142
Carpets and rugs, rag	6	9	26	-------	46	9,449	27,642	27,700	1,402	120,039	90,937
Carpets and rugs, wool, other than rag	11	1,109	14,926	18,138	3,689	3,107,153	17,715,750	31,299,699	884,827	67,589,359	35,404,833
Carriages and sleds, children's	18	54	387	150	905	136,938	494,686	1,049,868	28,401	2,114,570	1,036,301
Carriages, wagons, sleighs, and sleds	11	52	163	175	441	114,539	274,792	649,194	14,143	1,169,722	506,385
Cars, electric and steam railroad, not built in railroad repair shops	8	256	2,983	580	13,944	550,256	4,693,867	8,411,615	210,933	14,533,489	5,910,941
Cash registers and adding, calculating, and card-tabulating machines	12	375	2,125	75	1,839	1,117,892	4,722,170	3,049,542	89,364	11,961,164	8,822,258
Caskets, coffins, burial cases, and other morticians' goods	35	223	1,463	897	2,882	788,233	2,094,715	4,307,151	108,998	11,051,284	6,635,135
Cast-iron pipe	5	28	306	-------	867	89,765	311,546	328,661	50,767	961,121	581,693
Cement	12	566	2,110	41,023	41,259	955,763	3,224,821	2,928,530	3,356,635	17,134,195	10,849,030
Cereal preparations	12	206	832	275	4,786	649,011	1,104,770	6,754,697	221,982	14,869,461	7,892,782
Cheese	248	72	493	1,535	1,254	148,314	609,220	12,386,371	198,681	14,984,983	2,399,931
Chemicals, not elsewhere classified	99	3,123	13,007	59,666	82,866	8,441,624	20,870,140	58,321,387	14,590,017	168,728,982	95,817,578
Chewing gum	10	278	1,058	1,070	3,650	693,209	1,255,007	9,805,661	128,201	22,887,853	12,953,991
China firing and decorating, not done in potteries	9	19	99	-------	40	41,351	148,990	185,696	15,836	531,878	330,346
Chocolate and cocoa products, not including confectionery	17	288	1,879	4,050	11,646	815,100	2,363,610	17,313,668	531,508	26,805,242	8,960,066
Cigars and cigarettes	379	651	8,602	236	2,614	1,734,124	9,075,311	27,896,669	144,577	81,686,242	63,644,996
Clay products (other than pottery) and nonclay refractories	73	308	3,660	8,034	19,836	1,008,904	4,663,811	861,853	1,765,219	11,320,442	8,693,370
Cleaning and polishing preparations	74	475	784	504	2,106	1,203,029	926,590	3,763,868	74,361	10,736,033	6,897,804
Clocks, clock movements, time-recording devices, and time stamps	13	266	1,261	1,235	1,384	576,408	1,817,960	1,644,588	56,271	7,232,712	5,531,853
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	1,817	5,206	47,210	2,000	8,861	15,713,602	65,148,773	194,636,369	1,183,985	397,393,964	201,573,610
Clothing, men's, buttonholes	16	6	82	6	34	11,445	96,503	15,696	1,113	188,305	171,496
Clothing, women's, not elsewhere classified	5,704	19,136	102,096	80	18,269	62,809,421	164,149,330	722,680,544	3,097,588	1,308,065,109	582,286,977
Clothing, work (including sheep-lined and blanket-lined work coats, but not including shirts), men's	42	76	1,376	-------	506	226,352	1,516,225	4,507,111	34,835	7,750,092	3,208,146
Cloth sponging and refinishing	25	107	645	-------	510	387,338	1,069,006	11,373	46,160	2,405,332	2,347,799
Coffee and spice, roasting and grinding	119	712	1,557	858	6,633	1,973,044	1,937,322	67,970,446	410,796	84,823,923	16,442,681
Coke, not including gas-house coke	4	176	1,019	20,701	9,445	493,135	1,841,848	660,599	17,467,237	28,058,895	9,931,059
Combs and hairpins, not made from metal or rubber	5	13	36	-------	20	39,506	41,303	179,150	1,374	364,967	184,443
Compressed and liquefied gases	16	156	248	1,565	9,228	254,250	406,143	588,065	183,301	3,079,772	2,308,406
Concrete products	232	351	1,497	500	8,514	973,139	2,445,021	2,628,498	169,812	8,813,239	6,014,929
Condensed and evaporated milk	84	191	905	6,798	5,564	360,623	1,178,755	17,696,225	490,235	23,062,179	4,875,719
Confectionery	229	1,181	9,602	6,845	12,667	3,213,485	9,278,709	27,444,436	803,991	56,298,700	28,050,273
Cooperage	51	64	610	636	446	151,048	793,422	3,000,200	36,488	4,749,102	1,712,414

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	297	798	3,142	130	3,494	2,652,369	5,774,907	9,102,532	155,384	22,918,041	13,660,125
Cordage and twine	17	342	2,528	2,925	9,181	843,024	2,578,207	8,449,118	265,100	16,208,661	7,494,433
Cork products	18	78	863	815	1,193	167,977	946,465	2,569,518	78,945	5,068,801	2,440,338
Corsets and allied garments	125	726	4,702	50	1,346	2,216,581	4,625,763	14,092,562	100,078	27,508,395	13,315,755
Cotton goods	32	311	5,811	15,873	27,881	877,571	6,135,012	11,423,249	763,628	24,147,066	11,960,189
Cotton small wares	20	97	985	165	1,996	380,282	1,228,062	2,859,485	73,400	6,699,544	2,766,659
Cutlery (not including silver and plated cutlery) and edge tools	42	358	3,272	1,800	5,684	1,212,558	3,929,754	3,386,349	209,746	15,507,058	11,910,963
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	19	491	1,259	101	2,274	1,037,428	1,732,863	3,591,630	117,647	10,748,948	7,039,671
Dental goods and equipment	25	545	1,777	2,230	1,871	1,462,680	2,538,314	9,115,315	122,433	17,177,908	7,940,160
Doors, shutters, and window sash and frames, metal	60	608	3,156	1,605	4,802	1,969,974	6,421,529	7,593,115	159,733	21,223,627	13,470,779
Druggists' preparations	88	825	1,722	810	1,900	2,335,393	1,922,393	6,930,308	138,440	21,751,927	14,683,179
Drug grinding	6	34	72	164	574	82,555	111,184	445,071	21,653	963,059	496,436
Dyeing and finishing textiles	157	911	6,661	12,601	11,350	2,900,861	8,346,446	13,022,262	1,273,500	33,257,902	18,961,740
Electrical machinery, apparatus, and supplies	287	9,643	43,979	47,590	157,590	23,511,002	63,717,802	124,810,520	4,532,468	280,139,078	150,796,090
Electroplating	98	155	857	35	2,518	459,026	1,504,232	473,968	120,693	3,698,621	3,103,960
Embroideries	403	399	3,189	-------	748	1,014,763	4,062,289	2,501,025	71,733	11,914,608	9,341,850
Emery wheels and other abrasive and polishing appliances	8	43	184	-------	328	121,165	199,404	694,045	14,138	1,367,772	659,589
Engines, turbines, tractors, and water wheels	15	663	2,038	4,575	13,945	1,308,543	3,403,698	4,778,161	265,234	15,789,203	10,745,808
Engravers' materials	9	28	69	-------	257	74,039	99,325	540,832	12,099	921,174	368,243
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	62	156	790	-------	1,079	480,082	1,126,615	1,107,357	46,976	4,318,492	3,164,159
Engraving, steel and copperplate, and plate printing	126	696	3,757	10	4,030	1,847,769	6,554,922	4,134,715	132,267	18,197,405	13,930,423
Engraving, wood	7	12	39	-------	33	27,504	66,662	16,165	932	164,588	147,492
Envelopes	36	341	1,515	360	1,417	1,004,210	1,755,530	4,190,916	79,832	9,058,092	4,787,345
Excelsior	7	8	62	399	337	19,896	67,639	119,891	11,049	251,604	120,664
Fancy and miscellaneous articles, not elsewhere classified	376	1,072	6,603	103	3,007	3,193,240	7,466,326	15,898,454	220,612	36,056,870	19,937,804
Feathers, plumes, and manufactures thereof	34	44	231	1	69	99,967	281,062	336,033	4,976	988,616	647,607
Feeds, prepared, for animals and fowls	61	420	1,283	704	16,826	1,056,565	1,754,108	53,017,610	308,899	62,772,555	9,446,346
Felt goods, wool, hair, or jute	10	249	1,858	2,763	6,787	1,031,913	2,626,437	6,582,082	220,318	14,170,008	7,367,608
Fertilizers	10	65	236	1,045	2,021	161,946	288,296	2,100,663	30,608	2,941,482	810,211
Firearms	4	340	2,111	240	4,620	760,639	2,858,969	1,020,006	189,675	5,860,975	4,651,294
Flags and banners	19	83	290	-------	128	148,405	252,221	496,552	6,808	1,163,079	659,719
Flavoring extracts and flavoring sirups	147	519	1,191	3,005	2,730	1,808,068	1,686,190	11,788,252	268,818	25,156,737	13,099,667
Flour and other grain-mill products	180	842	2,053	13,734	34,631	2,291,715	3,150,969	90,074,725	798,666	108,765,016	17,891,625
Food preparations, not elsewhere classified	120	876	2,225	1,225	4,907	2,700,255	2,830,611	22,467,583	302,983	46,880,483	24,109,917
Forgings, iron and steel, not made in plants operated in connection with rolling mills	21	279	1,894	1,760	13,423	794,190	3,091,105	7,011,451	661,356	15,231,312	7,558,505
Foundry and machine-shop products, not elsewhere classified	943	9,429	47,638	37,079	127,698	26,701,528	77,156,060	87,139,037	5,434,894	296,099,086	203,525,155
Fur goods	2,046	2,836	10,928	-------	3,353	9,197,352	25,188,452	149,550,392	385,523	228,489,135	78,553,220
Furnishing goods, men's, not elsewhere classified	291	951	6,280	-------	1,236	3,391,509	8,676,198	38,079,117	149,521	68,617,231	30,388,593
Furniture, including store and office fixtures	772	4,353	25,230	15,838	45,258	13,899,534	41,638,136	66,430,444	1,542,703	159,771,994	91,798,762
Furs, dressed	191	483	3,057	80	5,323	2,115,676	5,301,144	13,976,334	218,734	28,493,137	14,298,069
Galvanizing and other coating, not done in plants operated in connection with rolling mills	4	18	127	-------	81	44,869	180,835	290,259	25,355	719,073	403,459
Gas and electric fixtures; lamps, lanterns, and reflectors	210	1,242	5,639	662	4,897	3,887,668	8,810,790	16,573,902	352,709	39,232,208	22,305,897
Gas machines, gas meters, and water and other liquid meters	12	246	1,543	-------	2,314	776,424	2,336,240	3,360,418	113,125	9,227,334	5,753,791
Gas, manufactured, illuminating and heating	51	5,493	10,938	78,405	34,421	10,284,263	14,854,678	23,276,853	25,472,593	112,876,140	64,126,694
Glass	17	543	3,148	3,837	4,210	1,626,064	4,469,114	3,503,802	1,270,135	17,856,867	13,082,930
Glass products (except mirrors) made from purchased glass	116	270	1,492	90	987	896,057	2,231,868	3,145,988	102,226	8,518,745	5,270,531
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics	20	30	530	-------	189	64,394	470,121	979,997	12,651	2,010,795	1,018,147
Gloves and mittens, leather	171	507	5,585	293	1,233	1,232,358	6,022,287	12,362,103	110,839	24,973,521	12,500,579
Glue and gelatin	13	89	393	2,112	798	261,845	558,497	2,732,898	278,225	4,824,832	1,813,713
Gold leaf and foil	23	8	230	-------	69	47,418	236,499	383,502	5,848	819,261	429,919
Grease and tallow, not including lubricating greases	28	183	754	1,935	2,099	476,105	1,110,174	4,673,231	216,528	7,234,336	2,344,571
Hair work	32	58	223	1	18	120,874	284,574	413,366	6,469	1,180,223	760,388
Handkerchiefs	44	191	1,429	135	172	451,926	1,313,267	4,842,314	27,656	9,289,916	4,419,946
Hand stamps and stencils and brands	60	156	661	-------	88	414,292	917,177	684,436	28,320	2,890,654	2,177,898
Hardware not elsewhere classified	69	510	3,834	1,319	8,299	1,666,856	4,861,055	5,943,236	280,254	16,706,142	10,482,652
Hat and cap materials, men's	74	172	1,131	1,218	460	600,663	1,386,972	8,626,633	60,525	12,391,071	3,703,913
Hats and caps, except felt and straw, men's	231	272	1,963	3	718	673,149	3,212,647	6,615,837	59,163	14,552,003	7,877,003
Hats, fur-felt	44	412	2,573	305	1,317	1,460,351	4,016,339	11,643,693	143,473	21,840,520	10,053,360
Hats, straw, men's	24	123	1,210	-------	250	513,555	1,630,468	3,749,596	28,269	8,161,453	4,383,589
House-furnishing goods, not elsewhere classified	408	1,054	6,433	945	3,611	3,059,561	7,247,484	34,000,541	216,025	55,063,514	20,852,949
Ice cream	337	919	2,944	2,071	25,887	2,396,558	4,944,357	21,221,137	903,256	45,784,354	23,659,961
Ice, manufactured	206	335	2,554	13,087	86,669	934,960	4,495,795	1,056,033	3,664,880	24,387,551	19,666,638
Ink, printing	39	349	851	2,314	3,863	1,660,234	1,527,957	6,011,850	203,548	14,582,188	8,366,790
Instruments, professional and scientific	88	1,251	3,456	435	3,099	3,253,036	5,042,713	5,393,888	192,440	23,405,166	17,818,838
Iron and steel: Blast furnaces	8	121	1,557	} 193,963	362,380	{ 419,489	2,776,543	21,255,773	14,517,514	45,914,083	10,140,801
Iron and steel: Steel works and rolling mills	26	1,825	17,952			{ 5,202,428	30,137,037	58,073,360	12,429,594	139,352,239	68,849,285
Ivory, shell, and bone work, not including buttons, combs, or hairpins	5	6	26	-------	69	18,420	47,258	41,015	3,861	146,464	101,588
Jewelry	564	1,531	5,204	332	2,925	5,175,505	10,695,349	30,983,256	144,087	60,877,242	29,749,899
Jewelry and instrument cases	57	129	939	90	437	348,841	1,117,327	1,258,051	26,772	3,521,038	2,536,215
Knit goods	563	2,783	31,558	20,851	23,511	8,468,507	31,978,004	82,294,142	1,719,633	158,110,012	74,096,237
Labels and tags	48	265	977	-------	1,579	783,009	1,509,835	2,383,440	61,285	6,615,286	4,170,561
Lace goods	9	127	892	1,176	408	385,918	1,097,853	1,368,857	65,824	4,164,916	2,730,235

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Lapidary work	71	76	288	-------	280	256,786	644,710	6,226,899	11,369	9,127,375	2,889,107
Lasts and related products	11	67	446	400	1,808	215,215	651,416	593,311	42,622	2,162,891	1,526,958
Leather goods, not elsewhere classified	188	372	2,632	3	923	1,139,603	3,279,616	9,549,224	62,703	17,680,377	8,068,450
Leather: Tanned, curried, and finished	67	376	5,354	15,462	14,311	1,590,331	7,021,302	37,172,241	857,230	53,794,167	15,764,696
Lime	7	24	154	185	1,959	59,682	226,307	211,573	176,977	892,110	503,560
Linen goods	3	21	154	550	139	62,320	145,813	282,361	11,917	591,160	296,882
Liquors, vinous	6	12	24	25	36	49,410	32,318	109,444	3,964	301,790	188,382
Lithographing	123	1,444	6,229	2,830	8,791	5,347,554	11,503,351	13,194,667	431,354	40,964,395	27,338,374
Lubricating oils and greases, not made in petroleum refineries	17	148	317	2,069	394	359,724	456,127	4,514,584	83,889	7,333,164	2,734,691
Lumber and timber products, not elsewhere classified	174	222	2,709	12,071	5,155	571,471	2,982,748	3,888,466	103,589	10,409,129	6,417,074
Macaroni, spaghetti, vermicelli, and noodles	96	208	1,357	596	6,382	565,979	1,702,673	7,803,847	321,996	13,912,095	5,786,252
Machine-tool accessories and small metal-working tools, not elsewhere classified	82	193	1,235	85	2,010	676,975	2,239,950	679,953	76,288	5,302,993	4,546,752
Machine tools	20	690	2,730	1,250	6,233	1,703,673	4,561,730	3,058,706	194,963	16,506,360	13,252,697
Malt	4	14	61	60	2,311	84,304	124,887	2,122,688	67,667	2,923,988	733,633
Marble, granite, slate, and other stone products	234	797	4,416	4,214	27,396	3,063,931	10,841,887	8,708,606	561,721	29,545,301	20,274,974
Mattresses and bed springs, not elsewhere classified	193	421	1,932	449	2,917	1,129,069	3,040,014	8,942,688	117,038	17,450,981	8,391,255
Meat packing, wholesale	122	1,758	7,278	10,106	14,633	4,597,911	11,822,718	206,242,665	1,376,300	247,425,951	39,806,986
Millinery	853	3,226	16,655	36	4,254	10,407,434	26,708,270	63,472,090	652,821	125,957,160	61,832,249
Minerals and earths, ground or otherwise treated	13	69	309	100	4,060	215,740	467,132	1,686,336	153,277	4,302,457	2,462,844
Mirror and picture frames	58	194	913	-------	1,379	658,591	1,368,307	1,820,708	50,459	5,182,108	3,310,931
Mirrors, framed and unframed	75	281	1,360	300	1,441	753,720	2,208,213	3,643,073	91,531	8,349,353	4,614,749
Models and patterns, not including paper patterns	123	189	870	149	1,319	609,405	1,644,890	891,642	52,514	4,848,689	3,904,533
Motion pictures, not including projection in theaters	30	1,155	1,695	264	2,586	6,184,643	3,649,261	9,279,944	181,519	43,871,940	34,410,477
Motor-vehicle bodies and motor-vehicle parts	170	2,113	19,617	9,394	50,932	6,415,668	31,514,460	69,077,558	1,637,903	135,319,074	64,603,613
Motor vehicles, not including motorcycles	18	2,193	10,603	5,292	20,495	5,734,012	17,301,178	146,359,249	791,446	232,345,843	85,195,148
Motorcycles, bicycles, and parts	4	42	396	225	838	155,398	514,042	1,234,571	43,271	2,530,092	1,232,250
Mucilage, paste, and other adhesives, except glue and rubber cement	18	75	101	261	443	255,111	133,811	805,923	24,323	1,518,392	688,146
Musical-instrument parts and materials: Piano and organ	18	152	992	1,935	1,346	477,696	1,141,225	1,090,593	87,981	3,862,649	2,684,075
Musical instruments and parts and materials, not elsewhere classified	33	58	244	12	453	153,254	375,445	395,640	17,318	1,396,019	983,061
Musical instruments: Organs	11	15	122	75	111	31,029	186,462	130,259	5,605	544,837	408,973
Musical instruments: Pianos	29	387	3,747	2,798	7,542	1,344,432	5,463,277	6,036,169	237,872	14,766,108	8,492,067
Needles, pins, books and eyes, and snap fasteners	6	38	272	295	188	121,298	280,571	396,712	13,134	1,050,334	640,488
Nonferrous-metal alloys and products, not including aluminum products	219	2,418	13,901	18,353	52,873	6,599,428	20,021,813	90,424,586	2,379,089	143,232,010	50,428,335
Oil, cake, and meal, linseed	3	32	459	815	4,987	101,003	659,626	16,844,617	146,785	18,989,039	1,997,637
Oils, not elsewhere classified	6	19	15	213	44	45,360	21,696	529,427	4,726	762,688	228,535
Optical goods	42	660	5,225	56	8,347	2,055,224	7,532,811	5,198,327	450,043	20,104,462	14,456,092
Paints and varnishes	166	1,496	4,369	6,606	17,033	5,591,376	6,522,216	52,308,743	902,511	89,419,872	36,208,618
Paper	127	1,740	13,531	256,113	216,832	4,839,159	18,900,777	72,432,169	8,645,744	129,560,343	48,482,430
Pulp (wood and other fiber)	47	176	2,796			656,103	3,568,264	18,579,060	2,190,590	29,982,080	9,212,430
Paper goods, not elsewhere classified	106	819	3,962	4,098	5,743	2,591,954	4,435,669	19,613,975	300,145	35,784,274	15,870,154
Patent or proprietary medicines and compounds	234	1,411	2,474	1,180	4,310	4,857,180	3,081,242	13,764,419	260,761	49,677,623	35,652,443
Paving materials: Asphalt, tar, crusbed slag, and mixtures	10	58	251	920	1,466	192,029	484,060	1,743,166	90,056	3,589,416	1,756,194
Pens, fountain and stylographic; pen points, gold, steel, and brass	30	151	656	12	606	407,097	879,527	2,141,705	22,762	4,416,999	2,252,532
Perfumes, cosmetics, and other toilet preparations	314	3,148	7,026	963	5,036	8,221,950	7,638,387	31,762,354	313,074	107,956,970	75,881,542
Petroleum refining	5	265	2,186	20,890	949	816,683	3,372,939	39,868,995	1,171,750	46,270,269	5,229,324
Phonographs	12	42	300	65	189	134,442	339,696	1,043,463	18,381	1,795,187	733,343
Photo-engraving, not done in printing establishments	116	1,040	3,191	-------	1,845	3,810,661	9,584,226	2,524,660	269,321	20,772,668	17,978,687
Pipes (tobacco)	12	177	938	200	1,383	418,294	1,187,623	1,004,069	44,032	3,261,909	2,213,808
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	453	1,639	7,071	17,688	38,374	5,222,808	12,054,870	22,565,227	785,395	51,071,950	27,721,328
Plated ware	30	845	2,809	3,213	7,797	2,494,627	4,740,041	5,229,620	251,073	18,424,071	12,943,378
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	32	187	834	4,305	1,840	563,979	1,130,210	2,727,988	102,884	6,064,098	3,233,226
Pocketbooks, purses, and cardcases	192	835	6,101	-------	994	2,986,461	10,952,801	25,696,698	100,024	47,631,431	21,834,709
Pottery, including porcelain ware	10	215	1,919	1,828	976	590,170	2,515,496	1,309,440	324,547	6,464,213	4,830,226
Poultry killing, dressing, and packing, wholesale	26	54	206	100	115	140,404	255,663	3,307,144	9,348	4,205,889	889,397
Printing and publishing, book and job	2,564	12,670	31,897	57	38,872	35,618,093	62,169,091	58,895,643	2,125,998	274,041,493	213,019,852
Printing and publishing, music	62	804	491	-------	515	2,535,088	844,479	884,873	20,888	9,818,115	8,912,352
Printing and publishing, newspaper and periodical	1,283	33,105	20,002	2,496	42,812	87,744,507	49,903,317	89,185,316	2,125,582	436,059,127	344,748,229
Printing materials, not including type or ink	17	60	188	160	370	208,703	324,317	392,018	29,686	1,666,387	1,244,683
Pumps (band and power) and pumping equipment	35	680	1,756	2,375	3,726	1,516,552	2,598,133	3,749,931	148,809	10,882,568	6,983,828
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	35	160	674	400	1,654	465,260	1,099,763	1,969,265	45,985	4,839,693	2,824,443
Regalia, badges, and emblems	16	72	288	-------	130	207,064	319,782	742,698	7,789	1,796,353	1,045,866
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint	13	114	325	-------	1,989	248,663	404,653	2,654,437	123,958	5,026,246	2,247,851
Rubber goods other than tires, inner tubes, and boots and shoes	45	721	5,441	7,470	21,992	2,162,217	6,942,510	14,830,644	717,868	32,762,472	17,213,960
Saddlery and harness	16	13	110	-------	48	29,064	145,902	339,424	4,480	662,899	318,995
Safes and vaults	3	36	163	-------	365	82,865	208,351	248,320	5,577	733,587	479,690
Salt	8	178	1,101	6,435	4,018	564,573	1,295,434	2,341,489	566,051	7,858,141	4,950,601
Sand-lime brick	3	12	78	25	1,225	39,210	107,200	91,437	28,162	327,173	207,574
Sausage, meat puddings, beadcbéese, etc., and sausage casings, not made in meat-packing establisbments	114	116	616	85	2,920	301,548	1,019,469	10,256,309	167,529	13,506,415	3,082,577
Saws	12	53	228	-------	796	184,393	280,308	395,525	28,890	1,558,060	1,133,645

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Scales and balances	9	128	525	-------	654	454,546	780,069	886,714	32,388	2,785,043	1,865,941
Screw-machine products and wood screws	21	82	529	-------	1,513	325,768	801,970	994,884	66,347	3,549,065	2,487,834
Sewing machines and attachments	15	43	145	72	77	120,151	232,465	156,943	5,925	1,024,959	862,091
Ship and boat building, steel and wooden, including repair work	98	1,095	10,811	3,801	62,633	3,133,542	19,532,507	12,997,691	810,235	46,480,225	32,672,299
Shirts	290	1,090	15,072	3,344	2,693	2,632,532	12,831,588	39,152,952	315,087	79,993,611	40,525,572
Signs and advertising novelties	265	828	3,293	185	2,696	2,470,457	5,373,426	5,933,810	160,445	20,169,661	14,075,406
Silk and rayon manufactures	157	894	10,261	4,728	17,809	2,433,240	11,620,501	55,363,077	804,244	90,238,425	34,071,104
Silversmithing and silverware	26	115	341	-------	500	292,958	731,049	1,062,390	27,094	2,627,039	1,537,555
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	11	75	272	-------	841	336,516	404,187	7,558,891	112,798	9,418,253	1,746,564
Soap	44	737	1,862	7,726	6,335	1,651,256	2,572,328	24,981,051	702,003	38,404,027	12,720,973
Soda-water apparatus	18	53	134	-------	285	183,455	254,152	769,444	9,001	1,504,391	725,946
Sporting and athletic goods, not including firearms or ammunition	46	183	1,330	130	1,176	395,966	1,497,562	2,524,978	53,055	6,212,019	3,633,986
Springs, steel, except wire, not made in plants operated in connection with rolling mills	8	37	173	245	572	136,027	280,583	462,633	45,375	1,178,564	670,556
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	90	1,081	6,611	2,890	13,665	3,103,493	7,169,059	13,216,289	635,378	30,948,029	17,096,362
Stationery goods, not elsewhere classified	55	423	2,388	741	1,729	1,157,405	2,636,834	5,849,057	154,542	17,256,052	11,252,453
Statuary and art goods, factory product	34	88	495	-------	170	320,540	1,348,652	446,081	18,226	2,785,188	2,320,881
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	36	148	807	1,745	2,124	607,466	1,115,153	2,443,248	108,203	6,068,457	3,517,006
Steam fittings and steam and hot-water heating apparatus	34	559	4,286	810	21,079	1,430,963	6,646,199	6,973,898	524,550	22,033,198	14,534,750
Stereotyping and electrotyping, not done in printing establishments	47	453	2,471	145	6,414	1,663,023	5,225,328	2,426,240	336,680	13,111,046	10,348,126
Stoves and ranges (other than electric) and warm-air furnaces	35	355	1,994	300	6,303	1,021,907	2,992,110	3,103,558	293,236	9,877,691	6,480,897
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	314	1,803	6,854	3,054	20,029	5,495,012	12,768,051	25,526,458	476,669	55,981,010	29,977,883
Sugar refining, cane	5	465	4,352	18,760	2,884	1,253,025	6,274,281	112,321,401	2,012,889	137,432,214	23,097,924
Surgical and orthopedic appliances, including artificial limbs	77	230	1,045	-------	2,565	716,453	1,220,842	5,043,242	48,940	9,526,516	4,434,334
Suspenders, garters, and other elastic woven goods, made from purchased webbing	41	118	1,105	-------	239	401,413	1,133,218	5,043,881	23,734	7,942,300	2,874,685
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	10	103	254	365	1,110	366,800	464,890	2,965,367	121,203	4,798,497	1,711,927
Textile machinery and parts	18	46	245	-------	592	144,907	334,362	249,182	18,185	1,082,511	815,144
Theatrical scenery and stage equipment	20	64	201	-------	318	320,028	404,935	801,127	11,580	2,297,033	1,484,326
Tin cans and other tinware, not elsewhere classified	43	495	4,113	3,606	5,864	1,169,071	5,209,650	17,536,844	361,588	30,129,396	12,230,964
Tobacco: Chewing and smoking, and snuff	18	20	99	-------	146	44,574	90,871	363,425	5,827	1,076,367	707,115
Tools, not including edge tools, machine tools, files, or saws	84	371	2,669	1,273	7,489	1,101,977	4,112,059	4,107,833	483,024	15,312,659	10,721,802
Toys (not including children's wheel goods or sleds), games, and playground equipment	180	656	4,032	705	3,319	1,745,175	5,102,793	9,984,841	226,979	23,223,068	13,011,248
Trimmings (not made in textile mills) and stamped art goods for embroidering	452	1,052	5,492	12	1,840	2,692,718	7,327,330	14,438,405	266,128	32,071,471	17,366,938
Trunks, suitcases, and bags	141	397	1,882	150	1,049	1,096,826	2,707,427	5,980,094	60,310	12,609,871	6,569,467
Type founding	5	14	92	-------	150	45,831	106,461	92,559	5,606	320,964	222,799
Umbrellas, parasols, and canes	92	131	816	1	430	362,816	1,004,477	4,875,794	29,475	7,595,839	2,690,570
Vinegar and cider	45	55	247	711	1,386	112,001	269,177	1,609,038	61,652	2,668,607	997,917
Wall paper	15	214	1,219	1,130	1,592	703,826	1,422,171	2,684,767	128,669	6,966,071	4,152,635
Wall plaster, wall board, insulating board, and floor composition	40	256	1,885	710	37,388	680,285	2,850,604	6,784,593	1,208,479	17,290,052	9,296,980
Waste	15	44	381	120	2,203	177,558	420,291	1,412,391	48,128	2,596,928	1,136,409
Watch and clock materials and parts, except watchcases	3	4	17	-------	5	14,250	23,086	30,282	220	97,250	66,748
Watchcases	31	135	679	250	721	385,396	1,195,057	1,652,801	49,145	4,224,162	2,522,216
Whips	5	3	27	-------	46	3,000	23,398	22,891	1,567	93,026	68,568
Window and door screens and weather strip	35	73	266	5	446	207,719	296,695	571,568	18,135	1,439,220	849,517
Window shades and fixtures	115	212	1,325	2,000	1,450	509,920	1,626,023	5,344,602	118,189	10,229,721	4,766,930
Wire, drawn from purchased bars or rods	5	96	1,048	2,475	2,650	336,200	1,992,646	7,151,478	272,635	11,920,755	4,496,647
Wirework, not elsewhere classified	106	401	2,118	89	2,862	1,344,957	2,760,284	3,329,185	158,748	10,707,588	6,719,655
Wood distillation and charcoal manufacture	14	60	327	1,277	172	209,881	453,383	3,915,683	220,710	4,865,515	729,122
Wood preserving	6	81	390	185	263	146,357	447,115	4,882,933	25,769	6,278,271	1,369,569
Wood turned and shaped and other wooden goods, not elsewhere classified	107	253	1,774	4,308	4,247	783,960	2,165,108	3,235,987	123,634	8,749,350	5,389,729
Woolen goods	23	173	2,358	5,030	3,593	566,251	3,004,334	6,850,778	298,338	14,191,948	7,042,832
Wool shoddy	7	58	408	1,257	2,609	300,730	490,261	2,846,298	73,947	4,244,206	1,323,961
Worsted goods	13	195	3,952	10,187	2,080	591,221	3,983,571	11,145,920	309,220	17,954,760	6,499,620
Other industries	214	6,968	45,309	72,660	120,305	17,056,151	66,151,183	235,732,617	6,260,003	434,473,251	192,480,631

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[4] Not including data for 50,521 employees of central administrative offices, with salaries aggregating $159,083,750. See GENERAL EXPLANATIONS—Persons Engaged.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each industrial area (see GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEW YORK CITY INDUSTRIAL AREA											
[This area comprises Bronx, Kings, New York, Queens, Richmond, and Westchester Counties, N. Y., and Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties, N. J. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnotes 1, 2, and 3), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	36,401	203,034	918,206	813,623	1,359,266	*Dollars* 595,159,467	*Dollars* 1,416,881,044	*Dollars* 4,797,132,925	*Dollars* 116,564,479	*Dollars* 9,424,294,682	*Dollars* 4,510,597,278
Aircraft and parts	11	362	1,512		969	989,679	2,298,366	2,439,206	50,782	7,015,068	4,525,080
Artificial and preserved flowers and plants [1]	119	230	1,762		274	611,265	2,022,750	2,953,423	36,926	8,349,344	5,358,995
Artificial leather	7	139	583	1,210	4,423	503,989	1,004,522	8,024,160	149,018	10,875,556	2,702,378
Artists' materials [2]	30	103	290	28	376	359,646	429,064	1,459,755	20,050	3,145,911	1,666,106
Awnings, tents, sails, and canvas covers	174	245	972	90	497	732,086	1,566,796	3,774,336	45,836	8,149,403	4,329,231
Bags, other than paper, not made in textile mills	35	220	1,244	1,340	1,083	838,068	1,654,496	21,482,269	65,890	26,096,733	4,548,574
Bags, paper, exclusive of those made in paper mills	26	192	946		1,323	597,529	1,078,403	6,707,911	46,474	10,513,507	3,759,122
Baking powders, yeast, and other leavening compounds	11	155	832	12,796	1,881	570,184	1,260,820	5,075,075	334,757	10,476,286	5,066,454
Baskets and rattan and willow ware, not including furniture	21	38	232	75	62	109,059	299,649	396,407	7,014	1,043,385	639,964
Belting, leather	29	94	277	915	194	334,993	394,434	3,191,974	34,218	4,780,341	1,554,149
Beverages	355	959	3,462	19,553	8,766	2,850,279	5,969,228	9,937,093	1,008,751	31,545,253	20,599,409
Billiard and pool tables, bowling alleys, and accessories	13	14	81		126	24,431	147,144	289,199	5,443	620,717	326,075
Blacking, stains, and dressings	19	119	307	405	239	403,388	372,325	1,688,437	27,983	4,447,947	2,731,527
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	10	183	1,012	1,940	2,927	609,204	1,778,889	2,474,184	145,609	7,034,664	4,414,871
Bookbinding and blank-book making	412	1,301	9,223	24	6,862	3,769,728	12,375,195	10,259,260	334,512	34,875,239	24,281,467
Boot and shoe cut stock, not made in boot and shoe factories	25	25	144		81	62,394	204,927	2,551,271	5,344	3,552,374	995,759
Boot and shoe findings, not made in boot and shoe factories	43	252	1,031	205	1,528	564,434	1,391,838	2,591,720	75,841	5,980,104	3,312,543
Boots and shoes, other than rubber	273	1,840	15,572	1,242	7,464	5,973,341	25,136,283	39,265,808	474,179	87,719,985	47,979,998
Boxes, cigar, wooden	10	55	584	90	442	229,357	628,012	701,568	18,930	1,927,542	1,207,044
Boxes, paper, not elsewhere classified	295	1,316	9,041	1,824	7,978	4,608,802	10,335,794	22,301,272	419,502	47,482,967	24,762,193
Boxes, wooden, except cigar boxes	59	199	1,420	661	4,402	641,134	2,061,866	6,361,570	107,818	11,642,439	5,173,051
Bread and other bakery products	2,812	3,334	29,572	6,645	37,585	8,448,224	48,099,734	117,304,083	5,024,875	266,790,928	144,461,970
Brooms	20	9	67		104	17,673	98,391	290,306	4,601	533,226	238,319
Brushes, other than rubber	79	285	1,839	377	1,644	965,470	2,134,034	6,184,030	143,492	12,361,965	6,034,443
Buttons	104	265	2,381	685	2,458	734,186	2,746,614	3,783,204	145,232	9,385,049	5,656,613
Candles	7	32	215	98	109	168,394	282,346	868,413	14,494	1,844,612	961,705
Canning and preserving: Fish, crabs, shrimps, oysters, and clams [3]	23	85	236		248	288,838	287,741	4,435,677	47,987	7,200,887	2,717,223
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	75	352	1,850	561	2,523	1,047,603	1,993,785	19,356,045	136,480	31,202,826	11,710,301
Car and general construction and repairs, electric-railroad repair shops	34	675	7,946		14,886	1,556,762	13,865,658	7,628,585	558,747	23,636,724	15,449,392
Car and general construction and repairs, steam-railroad repair shops	40	796	9,468	9,643	9,515	2,037,206	16,310,108	8,369,684	684,422	27,404,050	18,349,944
Carbon paper and inked ribbons	16	118	310	456	1,187	441,107	457,808	1,809,118	37,168	4,052,012	2,205,726
Card cutting and designing	26	91	362		300	243,563	494,154	1,137,049	12,719	2,538,670	1,388,902
Carpets and rugs, rag	9	6	67		43	9,389	54,405	64,643	2,514	238,676	171,519
Carriages and sleds, children's	16	35	297		251	95,880	382,636	858,727	15,946	1,680,501	805,828
Carriages, wagons, sleighs, and sleds	6	51	129		265	174,702	307,309	984,341	7,897	1,909,667	917,429
Cash registers and adding, calculating, and card-tabulating machines	9	228	862		883	743,077	1,360,108	745,068	38,064	5,696,931	4,913,799
Caskets, coffins, burial cases, and other morticians' goods	29	146	881	677	1,816	544,096	1,259,702	2,934,845	64,389	7,548,608	4,549,374
Cheese	8	3	13	5	6	6,545	18,690	268,648	4,267	342,952	70,037
Chemicals, not elsewhere classified	141	2,919	11,416	44,302	41,651	8,933,098	17,883,481	72,494,129	4,092,080	135,834,320	59,248,111
China firing and decorating, not done in potteries	9	10	70		23	20,135	111,864	166,104	12,245	446,958	268,609
Chocolate and cocoa products, not including confectionery	17	255	1,396	4,050	8,291	711,321	1,696,644	13,350,751	409,796	19,814,060	6,053,513
Cigars and cigarettes	353	851	12,624	441	4,075	2,376,333	12,414,386	44,964,333	241,647	129,655,816	84,449,836
Clay products (other than pottery) and nonclay refractories	42	578	4,868	6,592	10,534	1,501,751	6,588,314	2,677,260	1,828,424	18,427,668	13,921,984
Cleaning and polishing preparations	68	428	673	450	1,794	1,200,795	823,912	3,619,316	60,893	10,266,340	6,586,131
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	1,809	3,935	33,634	625	6,776	12,013,574	50,473,003	166,555,006	1,009,344	338,500,954	170,936,604
Clothing, men's, buttonholes	16	6	82	6	34	11,445	96,503	15,696	1,113	188,305	171,496
Clothing, women's, not elsewhere classified	5,781	19,205	104,202	21	18,755	63,156,261	166,968,722	723,673,594	3,132,148	1,313,449,686	586,643,944
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	32	79	711		182	235,938	934,430	3,807,211	15,868	6,099,388	2,276,309
Coffee and spice, roasting and grinding	91	677	1,426	873	5,882	1,846,396	1,799,204	66,342,466	396,376	84,222,194	17,483,352
Compressed and liquefied gases	16	209	404	1,814	4,235	462,910	723,318	564,960	343,164	4,748,841	3,840,717
Concrete products	166	321	1,362	340	6,839	919,496	2,361,701	2,946,991	169,738	9,451,322	6,334,596
Confectionery	183	1,077	9,365	7,269	11,064	2,972,028	9,243,903	26,145,603	775,673	53,821,460	26,902,184
Cooperage	28	99	1,061	1,496	914	320,218	1,493,970	4,202,021	73,201	7,051,718	2,776,496
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	305	816	3,105	256	3,605	2,608,297	6,170,513	9,720,905	165,598	23,815,371	13,928,868
Cordage and twine	12	219	2,058	6,025	6,166	596,167	2,299,595	6,652,209	212,157	12,512,810	5,648,444
Corsets and allied garments	128	767	4,873	150	1,104	2,531,648	5,017,044	14,836,070	96,595	29,104,281	14,151,616
Cotton goods	23	182	3,684	16,290	3,689	643,468	4,216,862	6,974,036	328,325	13,665,100	6,362,739
Cotton small wares	22	70	545	522	531	259,381	712,995	1,557,016	46,336	3,384,153	1,780,801

See footnotes at end of this section, p. 365.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEW YORK CITY INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Cutlery (not including silver and plated cutlery) and edge tools	35	347	2,252	800	3,329	1,316,060	2,799,149	3,164,723	161,865	14,898,671	11,571,983
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	5	46	141		211	192,102	287,709	763,666	6,279	1,400,411	630,466
Dental goods and equipment	19	248	981	2,080	366	685,973	1,266,674	5,699,527	53,265	9,587,108	3,834,316
Doors, shutters, and window sash and frames, metal	57	383	2,178	355	3,863	1,332,204	4,683,435	6,826,479	110,159	15,486,786	9,550,148
Druggists' preparations	70	582	1,344	60	1,379	1,801,271	1,518,012	5,262,953	127,968	15,946,213	10,655,292
Drug grinding	9	45	159	264	1,477	109,848	241,081	1,088,152	49,335	1,337,993	800,608
Dyeing and finishing textiles	292	3,226	25,058	33,658	36,613	10,862,737	32,937,737	46,778,202	5,955,472	126,556,752	73,823,078
Electrical machinery, apparatus, and supplies	340	15,248	54,553	24,408	68,840	32,113,257	69,943,145	175,979,064	3,155,832	378,720,715	199,585,819
Electroplating	88	150	786	35	2,441	442,985	1,442,427	619,524	116,722	3,617,727	2,981,481
Embroideries	692	566	6,141		1,781	1,427,264	6,393,412	5,133,126	194,119	20,804,186	15,476,941
Emery wheels and other abrasive and polishing appliances	8	15	110	50	180	37,440	129,408	399,465	8,801	673,718	265,452
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	71	164	837		1,095	513,148	1,227,019	1,108,401	47,487	4,527,961	3,372,073
Engraving, steel and copperplate, and plate printing	122	561	3,845	62	4,015	2,019,790	6,911,389	3,762,133	142,637	18,504,776	14,600,006
Engraving, wood	7	12	39		33	27,504	66,662	16,165	932	164,589	147,492
Envelopes	33	308	1,320	360	1,297	863,601	1,543,291	3,553,417	72,473	7,830,533	4,204,643
Fancy and miscellaneous articles, not elsewhere classified	390	1,302	7,752	163	4,076	4,056,776	8,816,570	18,178,172	281,293	43,392,547	24,933,082
Feathers, plumes, and manufactures thereof	34	44	231	1	59	99,967	281,062	336,033	4,976	988,616	647,607
Feeds, prepared, for animals and fowls	9	98	325	685	950	204,659	458,423	1,569,068	83,742	3,514,837	1,862,027
Fertilizers	7	97	448	1,200	2,317	257,323	582,554	3,437,207	71,240	5,189,131	1,680,684
Files	7	79	675	1,160	704	249,366	978,147	349,130	78,859	2,357,781	1,929,792
Fireworks	6	17	283	170	172	36,020	358,374	653,228	23,549	1,444,786	768,009
Flags and banners	17	74	403	30	116	135,908	337,648	570,138	11,238	1,381,495	800,119
Flavoring extracts and flavoring sirups	125	419	760	1,416	2,435	1,452,943	1,178,121	7,819,743	242,946	15,762,417	7,699,728
Food preparations, not elsewhere classified	99	830	1,897	435	3,978	2,500,763	2,428,146	16,278,077	201,291	30,781,592	14,302,224
Forgings, iron and steel, not made in plants operated in connection with rolling mills	15	266	844	6,148	1,539	457,726	1,482,856	1,883,196	209,502	5,336,824	3,244,126
Foundry and machine-shop products, not elsewhere classified	734	7,742	34,924	31,591	74,032	23,036,023	59,954,338	68,548,887	3,462,398	212,634,583	140,623,298
Fur goods	2,019	2,818	10,680	12	3,341	9,175,334	24,943,367	148,991,973	379,231	227,424,913	78,053,709
Furnishing goods, men's, not elsewhere classified	288	873	5,570		998	2,792,922	7,959,725	34,167,016	134,508	61,832,456	27,530,932
Furniture, including store and office fixtures	622	2,395	12,862	1,629	24,710	8,261,758	23,919,691	40,668,915	774,221	95,452,423	54,009,287
Furs, dressed	207	644	4,247	680	6,874	2,732,244	7,301,455	14,610,116	318,402	33,954,810	19,026,292
Galvanizing and other coating, not done in plants operated in connection with rolling mills	5	19	144		80	50,912	198,993	307,755	27,545	824,943	489,643
Gas and electric fixtures; lamps, lanterns, and reflectors	218	1,253	5,696	460	5,014	3,967,316	8,789,616	16,273,943	350,431	38,773,721	22,149,347
Gas machines, gas meters, and water and other liquid meters	14	298	1,462		2,471	890,271	2,188,073	2,951,924	120,013	8,637,271	5,565,334
Gas, manufactured, illuminating and heating	15	4,879	8,865	93,448	19,068	8,926,403	12,456,661	22,882,852	22,611,406	112,118,361	66,624,103
Glass	9	65	582	720	1,823	243,286	815,776	469,601	237,386	3,213,895	2,506,908
Glass products (except mirrors) made from purchased glass	105	286	1,613	90	1,421	925,375	2,462,172	5,467,758	119,501	11,251,249	5,663,990
Gloves and mittens, leather	17	37	268		28	72,428	400,618	498,573	2,866	1,202,341	700,902
Glue and gelatin	12	39	151	37	824	142,824	224,593	2,019,204	43,001	3,112,620	1,050,415
Gold leaf and foil	24	10	253		95	53,558	260,580	517,067	9,300	1,178,746	652,379
Grease and tallow, not including lubricating greases	22	165	652	1,805	1,476	492,059	1,037,245	8,192,286	192,009	11,053,868	2,669,573
Hair work [1]	32	58	225	1	19	120,874	284,574	413,366	6,469	1,180,223	760,388
Handkerchiefs	69	307	3,573	1,035	666	854,424	2,901,406	9,904,170	75,236	19,070,858	9,091,452
Hand stamps and stencils and brands	58	183	691		415	489,243	989,772	649,242	28,163	3,259,778	2,582,373
Hardware not elsewhere classified	65	481	2,590	729	4,032	1,811,199	3,453,064	4,453,354	214,635	12,860,942	8,192,953
Hats and caps, except felt and straw, men's	231	282	2,144	3	740	708,127	3,463,776	6,921,116	64,056	15,272,330	8,287,158
Hats, straw, men's	25	161	1,290	20	343	618,576	1,704,020	4,057,312	35,869	8,722,712	4,629,531
House-furnishing goods, not elsewhere classified	407	1,101	6,413	465	4,240	3,224,125	7,206,816	34,824,608	240,699	56,385,432	21,320,125
Ice cream	275	784	2,736	2,765	24,771	1,877,952	4,638,798	19,940,893	850,141	41,952,934	21,161,924
Ice, manufactured	150	285	2,345	11,644	80,865	832,987	4,208,870	1,028,934	3,600,753	22,569,278	17,939,591
Ink, printing [3]	50	412	1,069	2,892	5,637	1,891,787	1,875,611	7,971,700	259,038	19,172,925	10,942,187
Instruments, professional and scientific	77	948	2,896	1,100	2,674	2,437,451	4,315,556	5,021,772	169,180	19,768,248	14,577,296
Jewelry	655	2,025	7,265	628	4,222	6,984,267	13,938,865	36,875,230	220,245	75,838,372	38,742,897
Jewelry and instrument cases	60	140	954	120	389	439,201	1,269,461	1,454,045	30,253	4,175,994	2,691,696
Knit goods	469	1,769	13,989	1,735	6,933	5,817,657	19,320,927	56,068,083	644,872	107,184,673	60,471,718
Labels and tags	50	315	1,204		1,796	978,319	1,874,158	2,904,329	71,945	8,065,513	5,029,239
Lapidary work	74	93	379		349	335,022	777,070	7,872,536	12,978	11,084,188	3,198,674
Lasts and related products	5	31	194		775	109,989	283,428	241,763	18,928	913,341	653,150
Leather goods, not elsewhere classified	196	423	2,945	13	1,128	1,275,826	3,729,343	10,282,590	77,647	18,772,623	8,412,386
Leather: Tanned, curried, and finished	55	350	2,906	3,575	7,645	1,644,787	4,457,168	19,111,743	437,969	30,342,378	10,792,666
Lithographing	113	1,290	5,245	880	7,473	4,646,312	10,038,315	11,010,676	351,484	35,076,478	23,714,318
Lubricating oils and greases, not made in petroleum refineries	23	200	951	1,483	671	667,413	1,398,701	12,420,002	143,222	22,437,487	9,874,263
Lumber and timber products, not elsewhere classified	7	75	507	2,225	938	222,302	618,293	3,021,880	41,538	4,714,740	1,651,322
Macaroni, spaghetti, vermicelli, and noodles	90	235	1,498	2,184	5,907	682,797	1,848,603	8,830,129	334,157	16,863,720	7,699,434
Machine-tool accessories and small metal-working tools, not elsewhere classified	82	210	1,369		1,867	707,521	2,484,415	890,225	79,026	5,972,934	5,003,683
Machine tools	11	211	731	525	1,152	577,705	1,255,320	1,367,686	447,633	4,663,526	3,248,207
Marble, granite, slate, and other stone products	219	800	4,334	2,790	25,681	3,244,916	11,311,728	9,001,256	522,969	30,853,084	21,328,859
Mattresses and bed springs, not elsewhere classified	180	508	2,293	1,305	3,204	1,261,693	3,873,280	11,493,924	174,529	25,306,567	13,638,114
Meat packing, wholesale	88	1,599	7,337	14,055	9,800	4,105,108	12,470,003	220,256,878	1,433,009	262,355,754	40,665,867
Millinery	857	3,232	16,766	39	4,239	10,462,196	26,871,645	63,879,593	657,453	127,025,151	62,488,105

See footnotes at end of this section, p. 365.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEW YORK CITY INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Minerals and earths, ground or otherwise treated	10	29	135	180	1,163	82,935	192,731	981,451	65,173	1,907,391	860,767
Mirror and picture frames	55	178	790	-------	966	614,506	1,197,651	1,733,356	41,038	4,761,571	2,986,577
Mirrors, framed and unframed	82	275	1,289	160	1,485	775,133	2,162,739	3,609,802	95,077	8,295,889	4,591,010
Models and patterns, not including paper patterns	117	186	834	79	1,232	640,361	1,585,406	877,659	51,939	4,738,241	3,808,643
Motion pictures, not including projection in theaters	36	1,243	2,142	439	3,278	6,407,085	4,292,893	11,010,041	210,250	48,076,986	36,856,695
Motor-vehicle bodies and motor-vehicle parts	132	1,029	5,869	4,432	12,865	2,618,903	10,093,181	20,256,823	514,282	37,498,266	16,727,161
Musical-instruments parts and materials: Piano and organ	18	143	701	1,150	1,207	376,932	812,551	838,209	62,567	2,779,267	1,878,491
Nonferrous-metal alloys and products, not including aluminum products	230	1,635	8,031	17,350	42,725	4,778,689	13,198,510	93,849,552	1,586,620	141,432,259	45,996,087
Oils, essential	6	27	83	280	39	111,427	143,898	1,650,062	34,451	2,228,153	543,640
Optical goods	44	207	1,006	7	935	700,175	1,460,274	1,686,661	59,268	5,042,573	3,296,644
Paints and varnishes	206	2,851	7,667	9,641	29,117	9,397,152	11,887,246	89,991,949	1,807,532	150,428,988	58,629,507
Paper	21	182	1,744	19,520	9,301	689,624	2,808,663	6,966,343	1,374,370	14,746,345	6,405,632
Paper goods, not elsewhere classified	108	888	4,171	4,775	4,486	2,984,380	4,858,263	16,849,074	312,251	35,759,312	18,597,987
Patent or proprietary medicines and compounds	219	1,655	3,327	2,681	5,575	5,423,866	4,026,218	19,266,641	366,920	69,279,963	49,646,399
Paving materials: Asphalt, tar, crushed slag, and mixtures	5	75	173	920	558	268,241	318,223	425,271	44,130	1,663,930	1,194,529
Perfumes, cosmetics, and other toilet preparations	299	3,101	7,045	1,299	4,887	8,237,191	7,842,319	31,441,972	315,700	111,446,871	79,689,199
Phonographs	17	84	570	1,900	225	236,389	591,660	1,179,715	85,569	2,768,514	1,503,230
Photo-engraving, not done in printing establishments	92	975	3,052	-------	1,445	3,576,813	9,196,313	2,492,055	259,576	19,748,687	16,997,056
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	309	1,224	5,024	10,416	25,656	4,124,621	9,267,420	17,612,631	519,372	40,098,829	21,966,826
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	30	218	840	160	2,025	601,315	1,273,741	2,718,140	112,099	6,029,361	3,199,122
Pocketbooks, purses, and cardcases	189	840	6,126	-------	993	3,143,230	11,256,108	25,865,949	99,755	48,377,038	22,411,334
Pottery, including porcelain ware	12	110	765	445	1,817	358,817	1,172,816	239,820	219,976	3,065,963	2,606,167
Poultry killing, dressing, and packing, wholesale	28	50	202	100	113	134,164	261,262	3,420,277	8,036	4,318,441	890,128
Printing and publishing, book and job	2,345	12,123	30,726	719	37,983	34,766,874	61,282,469	56,358,235	2,039,906	266,166,606	207,768,465
Printing and publishing, music	61	804	491	-------	507	2,535,088	842,607	883,107	20,888	9,799,035	8,895,040
Printing and publishing, newspaper and periodical	926	28,911	15,714	2,184	34,084	79,326,161	42,868,859	81,491,652	1,761,282	394,928,832	311,675,898
Printing materials, not including type or ink	12	52	159	160	265	183,960	294,092	354,558	25,057	1,500,700	1,121,085
Pumps (hand and power) and pumping equipment	22	479	1,650	4,155	716	1,335,939	2,836,008	4,365,077	161,004	12,125,090	7,599,009
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	31	93	323	350	623	249,485	658,280	1,158,144	25,081	2,751,625	1,568,400
Regalia, badges, and emblems	18	66	205	3	161	143,539	230,502	491,138	5,649	1,197,578	700,791
Rubber goods other than tires, inner tubes, and hoots and shoes	60	1,071	7,349	7,985	28,350	2,796,388	9,870,530	20,217,004	892,019	47,958,017	26,848,994
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	79	130	488	-------	2,178	413,372	902,658	8,660,681	135,474	11,641,461	2,845,306
Saws	5	-------	7	-------	29	-------	8,687	19,147	577	50,363	30,639
Screw-machine products and wood screws	19	88	481	25	796	324,732	830,710	1,105,815	49,598	3,582,581	2,427,168
Ship and boat building, steel and wooden, including repair work	64	1,354	13,224	2,236	80,696	3,943,950	24,258,410	14,617,536	958,439	54,491,895	38,915,920
Shirts	249	717	7,266	297	1,348	2,011,280	7,514,833	36,531,712	148,765	70,010,178	33,329,701
Signs and advertising novelties	236	853	3,140	577	3,895	2,451,366	5,087,213	5,896,689	131,981	19,532,174	13,503,504
Silk and rayon manufactures	703	1,924	22,090	4,447	21,582	5,912,908	29,349,017	94,276,342	1,283,398	166,384,955	70,825,215
Silversmithing and silverware	40	186	869	513	664	500,064	1,786,508	1,885,719	53,621	5,018,905	3,079,565
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	14	75	307	-------	868	320,367	446,547	7,819,695	111,389	9,338,717	1,407,633
Soap	43	1,490	3,844	10,200	6,092	3,433,237	5,429,799	44,807,249	924,454	79,978,151	34,246,448
Soda-water apparatus	17	53	127	-------	310	194,000	244,285	702,286	10,180	1,409,490	697,024
Sporting and athletic goods, not including firearms or ammunition	30	113	597	50	733	319,559	815,013	1,528,517	30,576	3,585,033	2,025,940
Springs, steel, except wire, not made in plants operated in connection with rolling mills	7	29	127	200	103	111,124	221,753	251,108	36,653	844,309	556,548
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	101	892	5,627	2,904	7,928	2,800,572	6,969,069	12,112,488	573,341	30,275,947	17,590,118
Stationery goods, not elsewhere classified	47	332	1,623	311	1,142	1,105,930	2,100,844	3,325,033	63,939	8,935,148	5,346,176
Statuary and art goods, factory product	39	91	526	-------	179	332,692	1,404,316	507,467	19,956	2,905,259	2,377,836
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	40	139	362	540	952	564,486	653,644	1,925,101	68,411	4,324,419	2,330,907
Steam fittings and steam and hot-water heating apparatus	20	206	1,663	3,010	1,721	644,322	2,580,845	3,434,454	280,738	9,032,048	5,316,856
Stereotyping and electrotyping, not done in printing establishments	37	317	1,267	145	4,112	1,160,135	3,220,051	1,139,191	230,392	7,841,969	6,472,386
Stoves and ranges (other than electric) and warm-air furnaces	24	325	1,450	900	3,511	972,587	2,184,473	3,507,760	159,877	8,987,531	5,319,894
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	331	1,713	7,024	2,294	18,452	5,613,219	13,080,149	30,188,041	506,973	63,944,802	33,249,788
Surgical and orthopedic appliances, including artificial limbs	75	776	2,699	350	861	2,338,878	3,282,740	11,326,130	184,187	25,300,714	13,790,397
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	28	214	650	1,450	3,327	995,139	1,160,964	8,440,011	210,458	13,879,943	5,229,474
Textile machinery and parts	50	214	1,161	610	1,687	699,419	1,713,367	2,193,809	78,780	5,932,880	3,660,231
Theatrical scenery and stage equipment [1]	20	64	201	-------	318	320,028	404,935	801,127	11,580	2,297,033	1,484,326
Tin cans and other tinware, not elsewhere classified	44	686	6,026	4,516	7,606	1,594,296	7,881,150	19,694,517	440,227	33,791,832	15,657,088
Tools, not including edge tools, machine tools, files, or saws	69	168	898	453	1,738	477,157	1,342,516	1,733,899	106,702	5,573,201	3,732,600

See footnotes at end of this section, p. 365.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEW YORK CITY INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Toys (not including children's wheel goods or sleds), games, and playground equipment	178	685	4,644	-------	2,239	1,928,590	5,804,289	11,133,709	234,508	26,397,662	15,029,445
Trimmings (not made in textile mills) and stamped art goods for embroidering	459	1,086	5,712	12	1,956	2,870,940	7,524,517	15,113,326	275,825	33,531,653	18,142,502
Trunks, suitcases, and bags	151	414	2,199	525	1,092	1,278,531	3,370,694	7,175,362	66,768	15,044,501	7,802,371
Typewriters and parts	6	107	567	-------	167	305,789	691,442	291,937	20,327	2,090,492	1,778,228
Vinegar and cider	4	2	10	15	57	(c)	7,349	35,900	3,140	66,192	27,152
Wall paper	9	145	875	1,347	898	451,808	1,004,163	1,636,112	61,233	4,317,141	2,619,796
Wall plaster, wall board, insulating board, and floor composition	26	123	696	985	13,190	390,102	1,127,921	2,797,601	423,571	8,023,237	4,802,065
Waste	13	80	319	1,049	1,321	355,843	322,634	2,518,296	47,535	3,629,433	1,063,602
Watch and clock materials and parts, except watch-cases	3	4	17	-------	5	14,250	23,086	30,282	220	97,250	66,748
Window and door screens and weather strip	40	87	270	5	558	252,163	406,607	679,390	23,240	1,861,485	1,158,855
Window shades and fixtures	122	156	595	-------	683	429,003	821,850	3,762,574	30,940	6,445,609	2,652,095
Wire, drawn from purchased bars or rods	12	212	1,776	4,199	5,754	689,739	3,249,063	7,973,196	500,255	16,093,936	7,620,485
Wirework, not elsewhere classified	106	461	2,521	510	3,551	1,501,315	3,524,174	5,641,260	197,740	14,739,129	8,900,129
Wood preserving	4	38	301	600	601	87,979	345,080	3,431,546	67,343	4,262,798	763,909
Wood turned and shaped and other wooden goods, not elsewhere classified	72	121	434	175	1,551	331,938	696,250	1,576,418	40,256	3,862,385	2,245,711
Worsted goods	8	926	6,119	24,125	1,392	2,516,279	7,518,480	16,253,450	441,037	31,540,184	14,845,697
Other industries	945	12,036	87,174	244,400	142,899	34,402,939	128,252,941	1,127,153,168	19,343,306	1,589,241,462	442,744,988
BUFFALO INDUSTRIAL AREA											
[This area comprises Erie and Niagara Counties]											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	1,923	20,327	115,212	243,911	835,814	52,859,806	171,674,331	603,025,355	61,224,929	1,157,751,878	493,501,594
Aircraft and parts	6	416	2,031	-------	1,038	1,046,472	3,104,742	2,334,620	63,238	7,650,786	5,252,928
Awnings, tents, sails, and canvas covers	15	42	101	-------	51	97,497	120,091	231,645	3,870	584,115	348,600
Bags, other than paper, not made in textile mills	6	61	383	700	594	156,944	325,066	7,070,135	15,739	8,060,995	975,121
Baskets and rattan and willow ware, not including furniture	8	18	278	174	618	57,051	260,884	251,169	9,821	679,889	418,899
Beverages	46	61	199	115	1,132	133,528	281,342	455,601	40,392	1,387,025	891,032
Boxes, paper, not elsewhere classified	17	197	1,458	502	1,513	628,692	1,411,465	2,320,889	39,917	6,042,145	3,681,339
Boxes, wooden, except cigar boxes	5	18	205	150	560	46,068	205,794	674,201	10,470	1,154,051	469,380
Bread and other bakery products	241	211	2,775	2,118	2,691	431,476	3,722,320	10,226,759	333,319	24,255,064	13,694,986
Brooms	3	5	27	-------	25	10,325	24,888	47,694	1,557	120,057	70,806
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	28	73	347	980	565	153,024	255,735	1,178,565	26,249	1,889,840	685,026
Car and general construction and repairs, steam-railroad repair shops	22	533	5,906	1,955	11,003	1,382,868	10,321,344	8,905,152	356,707	20,976,180	11,714,321
Chemicals, not elsewhere classified	27	2,193	7,157	9,695	58,795	5,060,398	11,381,100	29,473,195	8,749,188	86,084,232	47,861,849
Cigars and cigarettes	14	-------	49	-------	-------	----------	52,201	71,994	821	190,941	118,126
Clay products (other than pottery) and nonclay refractories	9	29	259	350	2,921	101,619	435,669	92,540	162,143	1,163,187	908,504
Cleaning and polishing preparations	12	89	165	50	586	183,505	174,859	541,529	21,922	1,532,672	929,221
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	36	168	1,842	20	316	624,840	1,722,954	4,021,434	29,125	7,966,026	3,915,467
Clothing, women's, not elsewhere classified	10	82	816	-------	184	208,209	555,141	1,504,336	9,611	3,120,560	1,606,613
Clothing, work (including sheep-lined and blanket-lined work coats, but not including shirts), men's	3	1	31	-------	14	(c)	22,917	61,361	757	114,169	52,051
Coffee and spice, roasting and grinding	9	20	54	-------	523	53,274	64,085	2,090,866	13,498	3,050,528	946,164
Concrete products	30	38	196	15	735	108,632	227,944	323,178	17,347	949,021	608,496
Confectionery	33	65	365	-------	639	180,839	271,389	1,125,767	29,838	2,131,419	975,814
Cooperage	7	17	93	-------	171	51,247	155,760	536,907	10,202	907,772	360,663
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	21	54	194	-------	266	137,623	310,022	425,006	8,050	1,184,937	751,881
Cotton goods	4	38	368	225	608	119,191	384,552	1,367,222	36,555	2,518,965	1,115,188
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	3	27	102	-------	276	63,543	146,893	220,335	4,898	627,466	402,233
Druggists' preparations	6	47	124	-------	395	170,871	156,868	520,655	12,832	1,222,020	688,533
Electrical machinery, apparatus, and supplies	24	660	3,949	1,050	19,963	1,394,366	5,323,357	15,615,800	925,360	32,340,986	15,799,826
Electroplating	12	16	113	20	309	45,948	173,621	36,214	12,019	395,526	347,293
Engines, turbines, tractors, and water wheels	5	383	1,226	3,530	8,612	829,685	2,201,709	2,426,426	164,137	10,224,443	7,633,880
Engraving, steel and copperplate, and plate printing	10	19	74	3	59	54,501	87,028	95,890	1,941	326,850	229,019
Envelopes	3	30	177	-------	232	122,508	194,410	594,162	6,082	1,123,658	523,414
Feeds, prepared, for animals and fowls	16	222	663	-------	10,243	470,901	946,098	34,887,058	141,354	40,397,919	5,369,507
Flavoring extracts and flavoring sirups	11	50	241	1,685	262	168,113	379,863	1,726,967	73,264	3,631,984	1,831,753
Flour and other grain-mill products	20	550	1,251	905	27,128	1,565,362	2,050,645	70,375,051	544,658	82,682,169	11,762,460

See footnotes at end of this section, p. 366.

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside the New York City Industrial Area have been included with those for the area, as specified in footnotes 1, 2, and 3, to avoid disclosing, exactly or approximately, the data reported by individual establishments.

[1] Includes data for 2 establishments located outside the New York City Industrial Area.

[2] Includes data for 3 establishments located outside the New York City Industrial Area.

[3] Includes data for 1 establishment located outside the New York City Industrial Area.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BUFFALO INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Food preparations, not elsewhere classified	13	7	49	----	112	19,349	70,568	776,076	7,261	1,009,955	226,618
Forgings, iron and steel, not made in plants operated in connection with rolling mills	5	76	618	70	4,033	202,738	1,024,619	2,390,197	135,169	5,128,566	2,603,200
Foundry and machine-shop products, not elsewhere classified	134	1,345	7,318	417	36,599	3,699,414	11,967,767	16,026,239	1,136,936	44,359,237	27,196,062
Fur goods	21	23	143	----	48	43,728	176,601	462,432	7,636	889,050	418,982
Furniture, including store and office fixtures	40	607	2,406	645	4,706	1,369,779	3,298,107	4,704,532	152,753	12,968,103	8,110,818
Gloves and mittens, leather	6	5	37	----	19	5,253	44,093	121,181	1,152	228,393	106,060
Grease and tallow, not including lubricating greases	5	15	72	----	885	81,834	107,174	552,980	22,159	908,390	333,251
Hats and caps, except felt and straw, men's	5	14	89	----	13	32,577	82,319	188,817	1,464	378,110	187,829
Ice, manufactured	20	39	174	----	8,553	139,695	284,559	55,459	137,136	1,436,081	1,243,486
Instruments, professional and scientific	4	9	19	----	27	20,675	22,973	42,992	873	117,560	73,695
Iron and steel: Steel works and rolling mills	13	1,417	12,445	[c]165,673	[c] 320,291	4,111,324	21,140,143	45,870,113	10,070,300	106,262,005	50,321,592
Jewelry	21	54	226	----	107	161,224	350,639	712,664	4,373	1,675,565	961,028
Knit goods	7	51	704	310	371	165,256	764,989	2,416,121	17,621	3,942,213	1,508,471
Leather: Tanned, curried, and finished	3	94	235	10	1,366	119,752	344,748	2,940,730	35,756	3,242,516	866,030
Lithographing	5	72	448	240	660	276,417	640,916	1,221,158	23,406	2,960,988	1,656,424
Macaroni, spaghetti, vermicelli, and noodles	6	14	70	----	414	24,733	67,148	330,553	10,229	549,289	208,507
Machine-tool accessories and small metal-working tools, not elsewhere classified	8	21	154	10	355	70,481	280,481	91,128	8,329	594,794	495,337
Malt	4	14	61	60	2,311	84,304	124,657	2,122,688	67,667	2,923,988	733,633
Marble, granite, slate, and other stone products	9	47	224	----	1,461	134,890	327,368	476,339	19,097	1,277,787	782,351
Mattresses and bed springs, not elsewhere classified	9	44	175	----	330	110,855	241,635	519,639	10,511	1,285,953	755,803
Meat packing, wholesale	34	395	1,598	1,928	5,074	986,837	2,227,793	41,595,573	229,781	48,612,533	6,787,179
Millinery	6	21	137	----	99	55,531	125,775	311,553	2,493	579,707	265,661
Minerals and earths, ground or otherwise treated	4	35	175	----	1,816	142,463	279,452	997,503	72,141	2,878,499	1,808,855
Models and patterns, not including paper patterns	12	7	66	----	197	23,761	136,262	58,760	3,042	306,672	244,870
Motor-vehicle bodies and motor-vehicle parts	27	669	7,126	----	14,473	2,080,564	11,452,069	29,283,933	336,052	55,137,748	25,517,761
Motor vehicles, not including motorcycles	5	860	6,060	4,492	10,815	2,356,057	9,293,788	71,333,653	319,015	105,238,917	33,086,249
Nonferrous-metal alloys and products, not including aluminum products	19	301	2,255	796	22,557	764,435	3,305,054	19,711,200	573,199	28,966,545	8,682,146
Paints and varnishes	13	134	433	----	2,495	379,046	850,358	4,151,219	114,271	9,381,635	5,116,145
Paper	14	293	1,922	9,132	54,417	641,264	2,823,959	13,027,995	1,203,684	23,891,784	9,660,105
Patent or proprietary medicines and compounds	28	185	469	250	1,579	625,306	890,887	3,188,755	75,192	7,541,475	4,277,528
Perfumes, cosmetics, and other toilet preparations	10	65	134	125	172	189,884	127,112	839,077	14,931	2,541,697	1,687,689
Photo-engraving, not done in printing establishments	8	52	132	----	320	193,512	366,337	83,747	9,786	889,227	795,694
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	39	222	574	2,045	7,885	613,992	1,272,899	2,857,227	128,154	5,507,075	2,791,694
Printing and publishing, book and job	127	476	1,849	10	2,357	1,210,153	2,785,854	3,312,323	84,058	10,864,718	7,409,337
Printing and publishing, newspaper and periodical	52	1,065	1,162	33	3,300	2,156,563	2,305,356	3,754,430	95,360	13,305,925	9,456,135
Pulp (wood and other fiber)	5	35	331	----	----	89,753	487,657	2,176,731	350,657	4,136,019	1,608,631
Pumps (hand and power) and pumping equipment	7	96	246	----	1,152	222,392	390,966	778,790	24,069	2,349,879	1,547,020
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint	4	52	197	----	1,158	94,728	228,399	1,511,930	69,612	3,002,649	1,421,107
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	26	25	189	25	679	52,180	288,293	2,850,709	30,548	3,641,603	760,346
Shirts	7	44	273	----	78	81,880	210,612	443,798	4,834	920,888	472,256
Signs and advertising novelties	14	124	405	----	287	343,757	689,972	530,391	19,516	2,291,993	1,742,086
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	8	242	1,488	----	6,156	673,426	2,129,897	3,436,536	213,745	6,917,216	3,266,935
Steam fittings and steam and hot-water heating apparatus	6	303	2,432	225	15,102	806,618	3,824,302	3,851,914	237,720	10,395,931	6,306,297
Stereotyping and electrotyping, not done in printing establishments	3	16	57	----	186	79,296	121,826	42,075	5,132	350,278	303,071
Stoves and ranges (other than electric and warm-air furnaces)	7	45	200	----	399	169,948	296,776	438,749	16,428	1,279,726	824,549
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	20	221	1,012	80	6,603	575,971	1,536,100	4,825,705	73,128	8,025,755	3,126,924
Tools, not including edge tools, machine tools, files, or saws	12	168	1,055	----	3,428	490,957	1,723,438	1,339,447	280,844	6,131,652	4,311,361
Toys (not including children's wheel goods or sleds), games, and playground equipment	5	39	180	----	1,133	116,591	224,666	319,208	19,688	875,840	536,944
Vinegar and cider	3	2	10	87	73	(d)	7,932	67,400	1,630	95,115	26,063
Wall plaster, wall board, insulating board, and floor composition	9	94	519	244	8,593	217,974	773,923	2,541,450	310,973	5,375,160	2,522,735
Window shades and fixtures	3	----	5	----	2	----	5,096	19,928	----	37,576	17,648
Wirework, not elsewhere classified	9	40	197	----	308	140,380	212,032	288,159	7,136	724,450	429,155
Other industries	297	3,660	23,115	32,687	126,966	9,550,559	32,034,427	99,273,094	32,551,881	236,786,851	104,961,876

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[d] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items, to avoid disclosing the data reported by individual establishments.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ROCHESTER INDUSTRIAL AREA											
[This area is coextensive with Monroe County]											
All industries, total	1,052	11,956	63,248	48,902	91,812	*Dollars* 32,328,501	*Dollars* 88,898,033	*Dollars* 160,861,237	*Dollars* 7,012,952	*Dollars* 420,610,921	*Dollars* 252,736,732
Awnings, tents, sails, and canvas covers	8	21	76		53	42,662	68,250	117,759	3,527	292,903	171,617
Beverages	18	28	74	90	262	57,461	117,271	195,303	31,554	584,639	357,782
Book binding and blank-book making	6	39	192		163	162,118	258,921	319,954	7,232	922,885	595,699
Boot and shoe findings, not made in boot and shoe factories	4	12	137		84	33,596	95,110	269,621	5,970	498,165	222,574
Boots and shoes, other than rubber	27	430	4,390	740	1,609	1,102,407	4,832,254	7,789,568	77,958	18,567,042	10,699,516
Boxes, paper, not elsewhere classified	19	152	1,186	485	440	480,214	1,283,853	1,906,189	39,583	4,665,445	2,719,673
Bread and other bakery products	132	91	1,049	16	1,934	159,310	1,696,561	3,751,155	177,325	7,765,668	3,837,188
Brooms	3	1	30		23	(?)	31,340	89,352	1,510	161,800	60,938
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	32	292	1,492	718	2,910	718,307	1,470,166	11,910,654	145,464	17,331,159	5,275,041
Carbon paper and inked ribbons	7	104	197	200	301	383,717	302,587	1,453,558	20,225	2,946,809	1,473,026
Caskets, coffins, burial cases, and other morticians' goods	4	15	104	60	226	49,804	129,252	271,303	8,636	655,264	375,325
Cigars and cigarettes	7	2	24		4	(?)	18,934	19,459	402	63,703	43,842
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	39	888	10,647	700	1,468	2,864,183	12,929,871	21,595,500	138,763	47,724,512	25,990,249
Clothing, women's, not elsewhere classified	8	5	99		19	17,580	78,870	172,492	1,642	367,497	193,363
Coffee and spice, roasting and grinding	5	13	54		318	32,320	64,880	3,060,580	11,932	4,170,067	1,097,555
Concrete products	13	36	127	30	418	88,791	207,691	220,832	13,789	696,957	462,336
Confectionery	12	62	393		440	182,383	351,942	806,572	27,112	1,773,103	939,419
Cooperage	4	2	25		7	(?)	22,083	74,751	823	110,098	34,524
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	11	35	177		104	126,654	230,155	311,228	7,513	856,403	537,662
Cutlery (not including silver and plated cutlery) and edge tools	5	9	81		620	22,684	100,783	122,568	6,260	340,496	211,668
Electrical machinery, apparatus, and supplies	17	1,310	5,180	2,005	7,456	3,322,180	7,800,397	13,123,612	338,365	34,822,358	21,360,381
Electroplating	7	3	59		124	8,502	89,537	28,119	2,969	192,499	161,411
Engraving, steel and copperplate, and plate printing	7	41	88		49	80,757	100,754	182,161	2,590	619,771	435,020
Flavoring extracts and flavoring sirups	12	133	243	434	280	530,420	287,929	2,700,619	28,294	6,757,066	4,028,153
Flour and other grain-mill products	11	28	77	1,666	658	49,040	96,016	2,239,309	25,934	2,950,566	685,323
Foundry and machine-shop products, not elsewhere classified	66	745	3,331	3,755	7,019	1,998,123	5,110,707	6,245,148	440,858	22,854,170	16,168,164
Fur goods	5	9	69		6	27,035	81,517	111,758	2,404	292,690	178,531
Furniture, including store and office fixtures	33	286	1,723	1,620	2,328	1,060,793	2,941,154	3,469,791	118,579	9,914,582	6,326,212
Glass products (except mirrors) made from purchased glass	7	18	80		38	30,327	93,193	100,544	5,022	412,180	306,614
Hardware not elsewhere classified	6	61	235		375	153,265	322,686	254,929	18,662	1,071,680	798,089
Ice cream	20	40	111	150	921	126,662	239,700	771,494	40,908	1,883,184	1,070,782
Ice, manufactured	7	30	60	600	3,750	81,535	114,951	24,691	94,140	655,803	536,972
Lithographing	6	103	746	1,660	795	500,652	1,151,434	1,200,422	63,256	3,864,623	2,600,945
Macaroni, spaghetti, vermicelli, and noodles	8	11	63		201	20,347	59,660	418,692	20,211	686,639	247,736
Machine-tool accessories and small metal-working tools, not elsewhere classified	16	22	254		305	95,168	556,745	116,504	15,751	1,163,184	1,030,929
Machine tools	6	453	1,671	1,000	3,702	1,164,720	2,834,091	2,159,985	115,928	11,438,814	9,162,901
Mattresses and bed springs, not elsewhere classified	4	18	62		131	44,593	86,291	278,584	4,167	498,404	215,653
Mirrors, framed and unframed	3	1	12	40	17	(?)	20,100	52,500	893	97,792	44,399
Models and patterns, not including paper patterns	7	7	34		57	16,697	49,814	14,142	1,810	137,586	121,634
Nonferrous-metal alloys and products, not including aluminum products	11	41	234	175	468	120,242	370,082	1,242,329	33,360	1,981,820	706,131
Optical goods	8	395	3,918	56	6,385	1,269,958	5,684,424	3,523,697	348,167	14,043,830	10,171,966
Paints and varnishes	3	9	10		28	20,455	15,610	59,307	1,091	99,181	38,783
Paper	4	26	154	2,385	1,222	77,443	236,094	855,324	149,921	1,627,381	622,136
Paper goods, not elsewhere classified	6	29	49	150	262	67,863	67,373	268,650	10,132	540,047	261,365
Patent or proprietary medicines and compounds	13	42	45		67	104,055	58,018	283,344	4,469	1,145,363	857,550
Photo-engraving, not done in printing establishments	5	19	79		72	83,130	236,519	37,945	5,264	541,248	498,039
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	19	88	436	1,776	1,334	282,320	707,516	926,415	48,637	2,186,190	1,211,138
Printing and publishing, book and job	75	430	943		1,323	1,158,553	1,549,079	2,040,123	62,198	8,232,569	6,130,248
Printing and publishing, newspaper and periodical	23	727	508	3	1,426	1,419,751	1,233,531	1,516,168	56,037	7,787,753	6,216,548
Pumps (hand and power) and pumping equipment	5	48	115	45	695	130,013	123,863	354,076	9,629	800,272	436,567
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	11	5	50	60	434	16,040	73,479	1,072,142	28,979	1,342,384	241,263
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	6	154	639		1,226	350,651	749,516	1,326,904	39,014	3,604,257	2,238,339
Stationery goods, not elsewhere classified	3	3	24		32	6,450	22,550	16,900	1,115	88,154	70,139
Stereotyping and electrotyping, not done in printing establishments	4	15	27		202	54,483	54,196	21,534	6,899	206,060	177,627
Stoves and ranges (other than electric) and warm-air furnaces	5	66	314	300	1,111	200,155	406,692	330,721	45,395	1,223,253	847,137
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	7	67	256	185	911	227,821	438,107	972,644	17,610	2,021,188	1,030,934
Vinegar and cider	8	17	64	190	343	46,326	70,959	311,286	19,239	571,094	240,669
Wirework, not elsewhere classified	3	12	33		31	29,154	46,722	37,239	1,912	163,999	124,848
Wood turned and shaped and other wooden goods, not elsewhere classified	4	3	13		72	17,680	21,845	53,557	2,002	112,939	67,380
Other industries	217	4,207	20,685	27,608	34,553	10,810,952	30,504,508	57,660,633	4,053,921	161,493,733	99,779,179

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[?] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ALBANY-SCHENECTADY-TROY INDUSTRIAL AREA											
[This area comprises Albany, Rensselaer, and Schenectady Counties. Because of the amount of manufacturing industry in this area, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industries—namely, "Electrical machinery, apparatus, and supplies" and "Locomotives, not made in railroad repair shops"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]										
All industries, total	699	9,696	63,112	104,852	210,822	*Dollars* 23,762,871	*Dollars* 90,807,246	*Dollars* 170,182,395	*Dollars* 9,567,669	*Dollars* 367,471,954	*Dollars* 187,721,890
ALBANY COUNTY											
Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Car and general construction and repairs, steam-railroad repair shops"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	370	3,204	21,954	22,791	67,010	*Dollars* 8,790,160	*Dollars* 30,321,674	*Dollars* 56,855,451	*Dollars* 2,717,022	*Dollars* 127,774,340	*Dollars* 68,201,867
BRONX COUNTY (BRONX BOROUGH, NEW YORK CITY)											
All industries, total	1,204	6,175	24,958	7,399	58,002	*Dollars* 15,490,793	*Dollars* 40,513,431	*Dollars* 67,863,381	*Dollars* 5,158,040	*Dollars* 176,326,999	*Dollars* 103,305,578
Awnings, tents, sails, and canvas covers	19	34	147	.....	56	113,265	277,532	517,486	4,865	1,367,007	844,656
Beverages	18	51	152	830	1,454	122,016	241,505	814,175	65,284	1,846,493	967,034
Boxes, paper, not elsewhere classified	4	11	115	.....	89	55,500	122,212	168,511	3,354	445,348	273,483
Bread and other bakery products	295	303	2,603	1,405	2,692	752,809	4,987,900	11,739,661	593,391	24,614,276	12,281,224
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	12	25	358	.....	194	97,651	419,486	438,167	17,663	1,157,083	701,253
Clothing, women's, not elsewhere classified	74	109	1,465	.....	328	279,278	1,515,365	2,019,174	36,357	4,902,230	2,846,699
Concrete products	17	43	128	29	1,113	114,811	257,233	219,628	22,054	855,004	613,322
Confectionery	5	9	58	9	31	34,191	75,114	197,674	10,066	441,082	233,342
Doors, shutters, and window sash and frames, metal	12	64	222	30	894	238,213	465,128	1,038,207	23,938	2,518,174	1,456,029
Druggists' preparations	5	11	78	.....	80	63,489	85,627	479,268	6,020	763,456	278,168
Embroideries	21	32	197	.....	53	61,644	278,936	108,172	7,550	651,054	535,332
Food preparations, not elsewhere classified	9	13	57	.....	97	45,997	76,356	609,574	6,875	914,986	298,537
Foundry and machine-shop products, not elsewhere classified	20	431	1,657	220	5,031	1,280,698	3,205,045	1,407,412	125,727	9,089,445	7,556,306
Furniture, including store and office fixtures	33	122	448	140	847	390,395	811,757	1,797,719	34,992	3,791,114	1,958,403
Furs, dressed	4	30	158	.....	383	121,113	303,838	233,465	17,866	855,359	604,028
Gas and electric fixtures; lamps, lanterns, and reflectors	5	15	48	.....	64	38,430	70,361	127,472	3,693	312,591	181,426
House-furnishings goods, not elsewhere classified	9	29	115	.....	63	79,618	137,992	640,670	4,375	1,099,317	454,272
Ice, manufactured	12	42	292	870	13,851	149,645	596,874	182,806	444,448	2,477,241	1,849,987
Knit goods	21	124	497	.....	333	413,493	648,948	1,266,252	23,017	3,098,982	1,809,673
Macaroni, spaghetti, vermicelli, and noodles	6	6	44	39	118	18,600	50,379	213,807	9,547	405,029	181,675
Marble, granite, slate, and other stone products	34	123	643	.....	5,442	647,954	1,830,252	1,438,467	90,928	4,793,083	3,263,688
Mattresses and bed springs, not elsewhere classified	20	22	54	.....	128	65,149	98,582	349,944	6,575	741,861	385,342
Nonferrous-metal alloys and products, not including aluminum products	8	29	104	.....	343	90,274	190,358	439,825	22,694	981,758	519,239
Paper goods, not elsewhere classified	5	77	269	.....	451	235,913	340,032	1,121,906	24,118	2,643,052	1,497,028
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	23	102	326	201	993	308,458	680,387	1,540,690	32,457	3,335,993	1,762,846
Printing and publishing, book and job	60	72	200	.....	316	167,030	313,172	430,058	15,496	1,320,751	875,197
Printing and publishing, newspaper and periodical	11	408	332	.....	474	712,107	764,528	783,203	19,309	3,183,736	2,381,224
Ship and boat building, steel and wooden, including repair work	10	137	1,153	870	2,560	529,867	2,171,115	1,953,826	52,991	5,583,803	3,576,986
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	54	219	795	210	1,945	884,271	1,621,328	3,263,763	65,757	7,816,516	4,496,996
Window shades and fixtures	14	7	23	.....	75	12,742	33,868	203,577	1,201	352,613	147,835
Wirework, not elsewhere classified	4	20	164	.....	216	79,754	197,319	458,073	5,217	945,662	482,372
Other industries	360	2,455	12,056	2,546	17,288	7,286,418	17,644,902	31,660,709	3,370,215	83,022,900	47,991,976

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BROOME COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Boots and shoes, other than rubber"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	217	2,406	24,937	10,019	39,343	*Dollars* 5,159,900	*Dollars* 31,356,239	*Dollars* 82,113,242	*Dollars* 1,668,148	*Dollars* 150,268,407	*Dollars* 66,487,017
CHAUTAUQUA COUNTY											
All industries, total	294	2,200	15,508	17,123	40,347	*Dollars* 5,992,573	*Dollars* 22,161,568	*Dollars* 46,962,045	*Dollars* 1,689,713	*Dollars* 97,732,181	*Dollars* 49,080,423
Baskets and rattan and willow ware, not including furniture	9	7	103	425	246	4,950	92,984	128,750	4,632	327,496	194,114
Beverages	7	20	176	375	403	41,400	175,563	1,112,575	18,083	2,295,164	1,164,506
Bread and other bakery products	24	11	191	-------	282	27,124	282,031	624,141	23,276	1,231,914	584,497
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	12	68	487	383	911	176,679	367,356	2,194,012	37,754	3,694,852	1,463,086
Doors, shutters, and window sash and frames, metal	4	232	1,163	1,150	1,611	677,029	2,090,103	2,070,501	55,819	6,676,243	4,549,923
Flour and other grain-mill products	10	3	8	72	316	3,860	7,239	163,649	2,641	228,129	61,839
Foundry and machine-shop products, not elsewhere classified	16	147	854	309	2,852	288,863	1,249,976	1,301,541	104,693	5,572,584	4,166,350
Furniture, including store and office fixtures	51	707	4,882	3,741	9,632	2,231,768	7,984,439	11,421,547	284,445	27,838,893	16,132,901
Ice cream	5	8	26	65	198	20,156	34,463	110,372	7,299	276,265	158,594
Ice, manufactured	3	6	24	-------	560	12,731	32,126	3,811	14,257	95,306	77,238
Lumber and timber products, not elsewhere classified	12	16	186	840	401	42,673	219,603	503,458	11,528	997,899	482,913
Macaroni, spaghetti, vermicelli, and noodles	3	5	17	-------	142	10,470	16,821	88,371	3,513	143,709	51,825
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	10	45	229	408	1,885	127,945	329,734	1,155,103	24,487	1,860,251	680,661
Printing and publishing, book and job	15	18	85	-------	131	51,640	113,668	107,476	6,167	416,244	302,601
Printing and publishing, newspaper and periodical	12	116	107	80	272	257,772	195,006	140,187	9,512	1,027,761	878,062
Tools, not including edge tools, machine tools, files, or saws	3	59	605	-------	1,807	172,004	971,400	621,377	92,395	2,649,313	1,935,541
Worsted goods	6	58	1,973	3,092	1,114	172,369	1,887,970	5,686,986	148,576	8,445,833	2,610,271
Other industries	92	674	4,392	6,183	17,584	1,673,140	6,111,086	19,528,188	840,636	33,954,325	13,585,501
ERIE COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	1,630	15,472	92,607	225,687	656,046	*Dollars* 41,891,813	*Dollars* 138,598,934	*Dollars* 509,450,310	*Dollars* 48,392,050	*Dollars* 945,571,524	*Dollars* 387,729,164
FULTON COUNTY											
All industries, total	295	946	9,079	5,226	11,030	*Dollars* 2,882,266	*Dollars* 10,052,161	*Dollars* 26,458,588	*Dollars* 698,797	*Dollars* 51,135,115	*Dollars* 23,977,730
Boxes, paper, not elsewhere classified	7	6	64	-------	43	19,420	65,118	108,660	2,996	266,400	154,744
Bread and other bakery products	16	7	80	-------	75	6,622	109,511	284,874	17,154	517,286	215,258
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	4	4	31	-------	7	5,400	34,944	106,182	591	178,670	71,897
Foundry and machine-shop products, not elsewhere classified	4	11	40	-------	96	24,255	63,203	56,600	4,075	202,779	142,104
Fur goods	7	2	79	-------	17	(*)	84,185	273,082	1,436	418,117	143,599
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics	11	9	151	-------	52	19,996	148,012	243,661	4,543	528,086	279,882
Gloves and mittens, leather	138	426	4,928	293	960	1,092,266	5,337,891	11,281,668	94,856	22,665,432	11,288,908
Knit goods	12	112	1,092	800	1,756	370,919	1,023,350	2,687,550	114,937	5,359,355	2,556,868
Leather: Tanned, curried, and finished	37	172	1,503	2,942	5,888	802,907	1,909,536	7,287,880	227,583	12,777,109	5,261,646
Lumber and timber products, not elsewhere classified	6	3	43	591	5	3,200	46,301	49,003	283	138,270	88,984
Printing and publishing, book and job	6	3	13	-------	25	7,029	18,716	18,938	1,389	85,292	64,965
Other industries	47	191	1,055	600	2,106	530,252	1,211,394	4,060,490	228,954	7,998,319	3,708,875

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[*] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
HERKIMER COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Typewriters and parts"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	115	1,384	11,246	20,057	20,500	*Dollars* 3,297,307	*Dollars* 13,159,972	*Dollars* 17,643,241	*Dollars* 936,431	*Dollars* 53,195,981	*Dollars* 34,616,309

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

KINGS COUNTY (BROOKLYN BOROUGH, NEW YORK CITY)

All industries, total	5,818	26,268	146,648	101,946	293,044	*Dollars* 78,237,061	*Dollars* 214,949,571	*Dollars* 571,059,876	*Dollars* 21,124,386	*Dollars* 1,214,090,535	*Dollars* 621,906,273
Awnings, tents, sails, and canvas covers	36	26	149		87	89,589	252,634	583,392	6,355	1,354,993	765,246
Beverages	106	235	1,045	4,510	3,219	774,437	1,653,666	3,042,429	366,963	9,810,529	6,401,137
Bookbinding and blank-book making	24	220	1,509		662	501,233	1,907,684	3,041,891	61,222	6,233,950	3,130,837
Boots and shoes, other than rubber	141	1,079	9,379	475	4,797	3,640,128	15,496,850	22,947,213	265,173	51,421,132	28,208,746
Boxes, paper, not elsewhere classified	90	480	3,187	516	3,113	1,712,881	3,714,848	9,163,301	162,993	18,529,858	9,203,564
Boxes, wooden, except cigar boxes	13	42	233	25	956	112,527	303,695	846,968	27,013	1,740,622	866,641
Bread and other bakery products	802	599	5,724	170	8,902	1,756,147	10,536,893	27,507,851	1,207,160	58,495,742	29,780,731
Brushes, other than rubber	14	27	322		377	62,352	424,649	1,239,517	17,948	2,134,920	877,455
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	23	120	986	195	682	374,274	980,930	9,680,594	45,731	13,002,427	3,276,102
Carriages, wagons, sleighs, and sleds	3	8	16		34	17,760	20,214	41,897	1,492	103,361	59,972
Caskets, coffins, burial cases, and other morticians' goods	6	41	202		887	158,396	332,684	609,808	19,477	2,170,529	1,541,244
Chemicals, not elsewhere classified	20	207	952	1,479	1,858	1,100,989	1,381,011	7,623,990	321,912	15,173,943	7,228,041
Cleaning and polishing preparations	20	254	391	450	1,159	637,055	490,401	2,075,408	32,386	6,317,963	4,210,169
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	347	235	7,721		1,773	891,513	10,235,012	5,337,142	245,553	20,731,369	15,148,674
Clothing, men's, buttonholes	6		24		11		31,149	6,205	462	58,586	51,919
Clothing, women's, not elsewhere classified	546	426	9,114	8	2,027	1,050,052	9,514,212	15,538,854	195,379	33,764,601	18,030,368
Coffee and spice, roasting and grinding	19	267	717	15	3,076	619,701	885,293	36,192,526	173,048	42,398,527	6,032,953
Concrete products	20	23	120		423	88,966	214,722	263,545	14,431	954,326	676,350
Confectionery	61	441	3,124	1,055	4,212	1,178,400	2,772,341	7,985,143	259,905	16,478,817	8,233,769
Cooperage	8	25	340	565	22	59,323	435,149	1,709,125	13,291	2,578,827	856,411
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	88	279	1,071		1,440	969,079	2,004,636	3,197,960	66,124	7,978,180	4,714,096
Cork products	15	77	854	815	1,173	166,977	935,005	2,561,648	77,696	5,039,401	2,400,057
Doors, shutters, and window sash and frames, metal	26	169	847	125	1,401	598,960	2,046,531	2,724,922	36,919	7,086,869	4,325,028
Druggists' preparations	13	47	167		81	311,219	184,068	1,083,201	17,623	2,825,015	1,724,191
Dyeing and finishing textiles	42	219	1,324	800	2,827	739,516	1,822,586	3,370,245	368,149	8,161,364	4,422,970
Electrical machinery, apparatus, and supplies	48	729	4,624	375	5,099	1,952,756	5,366,728	10,266,503	254,538	25,013,688	14,492,647
Electroplating	9	12	82		213	22,687	122,060	50,387	9,259	275,622	215,976
Embroideries	25	20	183		89	34,169	198,121	212,205	7,032	617,980	398,743
Engravers' materials	5	20	51		209	51,411	80,637	486,616	7,913	778,479	283,950
Fancy and miscellaneous articles, not elsewhere classified	53	120	907	100	845	378,619	1,148,314	2,271,890	64,348	5,120,934	2,784,696
Flavoring extracts and flavoring sirups	34	93	232	260	369	374,220	324,203	2,662,598	34,714	4,840,258	2,142,946
Food preparations, not elsewhere classified [b]	30	578	944	435	1,614	1,749,602	1,228,345	7,551,615	97,742	14,229,352	6,579,995
Foundry and machine-shop products, not elsewhere classified	162	1,920	8,588	1,252	24,948	5,771,468	15,016,061	12,395,960	725,594	50,255,745	37,134,191
Fur goods	100	46	214		142	97,074	445,937	1,534,474	14,063	2,869,863	1,321,326
Furnishing goods, men's, not elsewhere classified	24	28	623		146	65,435	659,262	1,660,033	15,725	3,323,001	1,647,243
Furniture, including store and office fixtures	212	692	3,617	682	8,919	2,424,684	7,148,742	14,224,231	239,326	31,353,432	16,889,875
Furs, dressed	51	256	1,865	80	3,100	1,129,298	3,532,334	1,240,346	130,227	8,290,100	6,919,527
Gas and electric fixtures; lamps, lanterns, and reflectors	42	226	1,551	225	1,419	751,180	2,397,964	3,633,050	94,495	8,864,374	5,136,829
Glass products (except mirrors) made from purchased glass	20	19	111	80	37	57,669	195,080	220,596	6,525	686,447	459,326
Hardware not elsewhere classified	12	105	903	359	978	408,448	1,120,197	903,416	64,235	3,192,718	2,225,067
House-furnishing goods, not elsewhere classified	91	144	990		1,167	358,845	1,115,574	5,325,517	58,331	8,869,322	3,485,474
Ice cream	55	152	595	70	7,139	404,003	970,551	5,137,584	188,341	9,137,022	3,811,097
Ink, printing [b]	15	145	405	815	2,161	944,672	739,393	3,422,679	106,423	7,314,272	3,785,170
Instruments, professional and scientific	24	412	1,074		1,652	1,033,905	1,483,271	2,088,124	74,995	6,898,121	4,735,002
Knit goods	202	676	5,898	1,640	2,600	1,856,877	7,584,571	26,348,082	289,122	47,022,980	20,385,776
Leather: Tanned, curried, and finished	6	29	241	315	376	136,728	306,711	1,454,550	24,260	2,327,156	848,346
Lithographing	17	246	1,286	50	2,152	887,628	2,399,733	2,545,110	105,635	8,141,121	5,490,376
Macaroni, spaghetti, vermicelli, and noodles	32	92	702	85	2,287	233,306	988,445	4,073,932	138,425	6,962,371	2,750,014
Machine-tool accessories and small metal-working tools, not elsewhere classified	13	28	136		229	63,515	191,189	91,188	6,746	670,851	572,917
Marble, granite, slate, and other stone products	66	248	1,162	357	5,953	898,743	2,788,458	2,773,803	159,983	8,537,074	5,603,288
Mattresses and bed springs, not elsewhere classified	68	120	528		1,009	324,055	904,438	2,809,660	34,502	5,274,552	2,430,381
Meat packing, wholesale	23	203	929	1,007	1,581	675,878	1,808,230	28,725,488	160,093	34,753,087	5,869,506
Mirrors, framed and unframed	22	67	325	10	388	198,482	631,857	1,240,653	27,194	2,507,494	1,239,647
Models and patterns, not including paper patterns	26	49	136		246	149,480	238,247	159,603	8,091	775,864	608,170

See footnotes at end of this section, p. 371.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
KINGS COUNTY (BROOKLYN BOROUGH, NEW YORK CITY)—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Motor-vehicle bodies and motor-vehicle parts	36	142	721	-------	2,084	443,423	889,703	1,513,137	84,385	3,871,160	2,273,638
Nonferrous-metal alloys and products, not including aluminum products	50	625	2,471	6,047	2,676	1,962,743	4,026,661	8,470,746	165,798	21,499,433	12,862,889
Paints and varnishes	84	799	2,288	5,200	7,771	2,896,720	3,454,024	27,817,500	405,687	46,943,037	18,719,850
Paper goods, not elsewhere classified	18	194	982	503	898	611,595	1,025,036	3,503,414	68,638	7,517,907	3,945,855
Patent or proprietary medicines and compounds	42	280	392	170	695	1,094,038	509,560	2,780,330	37,526	9,076,512	6,258,656
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	68	271	1,258	4,445	7,340	959,182	2,146,360	6,157,088	147,175	11,641,030	5,336,767
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	8	34	206	-------	420	103,992	260,857	541,160	32,389	1,187,891	614,342
Printing and publishing, book and job	260	497	2,227	10	2,833	1,344,335	4,139,202	3,798,065	141,714	14,060,495	10,120,716
Printing and publishing, newspaper and periodical	44	1,149	1,196	355	5,388	3,009,385	3,273,126	5,712,653	166,644	18,387,268	12,507,971
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	6	21	55	-------	158	65,343	124,831	213,572	6,955	520,485	299,958
Rubber goods other than tires, inner tubes, and boots and shoes	13	180	1,174	525	4,418	613,280	1,409,135	3,282,907	153,619	7,041,223	3,604,697
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	9	11	27	-------	200	31,906	42,832	371,873	8,698	512,475	131,904
Screw-machine products and wood screws	7	28	161	-------	362	91,888	292,981	257,180	20,741	911,949	634,028
Ship and boat building, steel and wooden, including repair work	21	523	5,701	355	41,391	1,406,803	10,775,833	5,345,046	487,890	24,672,669	18,839,733
Shirts	25	49	993	-------	227	122,400	970,665	183,546	16,368	1,547,162	1,347,248
Signs and advertising novelties	38	68	325	-------	237	292,023	564,340	789,603	11,734	2,294,006	1,492,669
Sporting and athletic goods, not including firearms or ammunition	7	26	270	-------	248	54,699	379,551	608,511	6,943	1,322,425	706,971
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	28	261	1,341	219	2,382	884,186	1,526,116	3,805,676	127,202	8,498,123	4,565,245
Statuary and art goods, factory product	6	9	74	-------	83	16,526	124,618	75,147	6,677	315,609	233,785
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	12	27	79	-------	206	229,353	131,569	613,997	9,264	1,328,818	705,557
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	94	317	1,049	-------	2,938	1,076,262	2,114,822	4,372,586	78,304	9,571,518	5,120,628
Tin cans and other tinware, not elsewhere classified	23	299	2,403	1,721	3,290	632,878	3,018,455	6,541,450	177,488	12,840,820	6,121,882
Toys (not including children's wheel goods or sleds), games, and playground equipment	31	91	711	-------	427	238,184	1,033,257	1,636,243	41,596	4,239,558	2,561,719
Umbrellas, parasols, and canes	10	4	62	-------	53	8,680	68,460	311,820	3,384	518,563	203,359
Window and door screens and weather strip	16	18	69	3	186	81,045	119,928	232,439	2,811	560,464	325,214
Window shades and fixtures	39	59	226	-------	443	171,905	266,015	855,070	13,346	1,785,097	916,681
Wirework, not elsewhere classified	29	182	972	-------	1,580	638,442	1,382,349	1,674,720	89,101	5,188,231	3,424,410
Wood turned and shaped and other wooden goods, not elsewhere classified	15	20	68	16	396	55,913	105,808	179,065	12,093	627,958	436,800
Other industries [10]	803	7,063	30,725	62,977	81,445	18,053,621	41,061,961	165,532,655	11,447,934	352,159,518	175,178,929

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[9] The items for each of the 2 industries covered by this footnote include data for 1 establishment located outside the county, to avoid disclosing the figures reported by the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[10] See footnote 9.

MONROE COUNTY (SEE ROCHESTER INDUSTRIAL AREA)

MONTGOMERY COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Carpets and rugs, wool, other than rag"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	113	1,192	11,851	9,334	12,442	*Dollars* 3,284,837	*Dollars* 13,471,073	*Dollars* 36,229,119	*Dollars* 941,280	*Dollars* 68,516,751	*Dollars* 31,346,352
NEW YORK COUNTY (MANHATTAN BOROUGH, NEW YORK CITY)											
All industries, total	20,797	96,870	328,230	78,784	235,804	*Dollars* 295,354,733	*Dollars* 558,754,981	*Dollars* 1,916,806,954	*Dollars* 25,827,443	*Dollars* 3,986,303,844	*Dollars* 2,043,669,447
Awnings, tents, sails, and canvas covers	58	124	417	90	185	374,465	718,597	1,873,738	18,644	3,724,148	1,831,766
Beverages	48	231	910	10,574	1,411	802,629	1,706,178	2,647,866	302,488	7,780,441	4,830,087
Bookbinding and blank-book making	355	977	6,731	20	5,468	3,032,081	9,391,369	6,223,197	246,293	25,459,432	18,989,942
Boots and shoes, other than rubber	107	419	3,124	7	1,058	1,430,292	5,709,954	8,730,294	93,359	19,838,152	11,014,499
Boxes, paper, not elsewhere classified	130	447	2,814	523	1,846	1,382,982	3,462,553	6,041,304	109,723	14,087,724	7,936,697
Boxes, wooden, except cigar boxes	25	58	313	53	987	210,377	471,288	975,511	37,658	2,160,433	1,147,264
Bread and other bakery products	531	815	10,799	3,128	10,910	2,485,184	16,381,127	38,756,738	1,398,796	97,002,505	56,846,971

See footnotes at end of this section, p. 373.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEW YORK COUNTY (MANHATTAN BOROUGH, NEW YORK CITY)—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Brushes, other than rubber	32	100	612	7	429	358,199	678,032	1,976,189	44,073	3,997,079	1,976,817
Buttons	62	91	742	10	585	255,131	835,015	1,700,883	32,983	4,017,392	2,283,526
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	14	44	165		115	143,944	184,356	1,734,419	20,886	2,869,811	1,114,506
Caskets, coffins, burial cases, and other morticians' goods	9	27	237	72	73	186,964	285,694	1,371,239	9,538	2,463,461	1,082,684
Chemicals, not elsewhere classified	11	47	62	100	525	143,722	89,155	559,416	27,340	1,055,374	468,618
Cleaning and polishing preparations	18	72	139		247	249,440	159,421	546,661	13,568	1,450,161	889,932
Clothing (except work clothing), men's, youths' and boys', not elsewhere classified	1,308	3,378	19,803	625	3,868	9,967,973	32,577,164	152,465,015	589,926	296,091,543	143,036,602
Clothing, men's, buttonholes	10	6	58	6	23	11,445	65,354	9,491	651	129,719	119,577
Clothing, women's, not elsewhere classified	4,873	18,096	84,061	9	14,049	60,290,630	146,646,140	694,420,491	2,689,701	1,244,779,142	547,668,950
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	19	37	276		62	97,586	486,529	1,647,754	7,249	2,803,516	1,148,513
Coffee and spice, roasting and grinding	55	357	541	350	2,193	1,079,250	704,871	21,701,015	166,787	28,351,928	6,484,126
Combs and hairpins, not made from metal or rubber	5	13	36		20	39,506	41,303	179,150	1,374	364,967	184,443
Confectionery	73	389	4,461	5,550	4,933	1,024,201	4,576,704	12,745,625	378,329	24,965,331	11,841,377
Cooperage	5	5	19		12	11,660	22,132	80,582	125	156,582	75,875
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	102	223	885		896	629,584	1,797,847	2,567,974	43,534	6,781,511	4,170,003
Cork products	3	1	9		20	[1]	11,460	7,870	1,249	49,400	40,281
Doors, shutters, and window sash and frames, metal	8	19	40		104	51,611	80,239	202,910	2,395	444,982	239,677
Druggists' preparations	28	144	249	60	209	432,320	339,068	1,136,742	13,115	3,790,112	2,640,255
Dyeing and finishing textiles	78	199	1,261	10	1,115	604,859	1,630,000	3,520,652	117,719	7,431,726	3,793,355
Electrical machinery, apparatus, and supplies	112	918	3,807		4,470	2,820,659	4,790,263	12,690,959	228,541	28,013,510	15,094,010
Electroplating	54	94	477	15	1,379	295,706	911,248	309,326	71,400	2,290,991	1,910,265
Embroideries	346	338	2,727		581	897,603	3,617,578	2,109,228	52,746	10,391,703	8,229,729
Engravers' materials	4	8	19		48	22,628	18,688	54,216	4,186	142,695	84,293
Engraving, wood	7	12	39		33	27,504	66,662	16,165	932	164,589	147,492
Fancy and miscellaneous articles, not elsewhere classified	285	767	4,468	3	1,265	2,203,348	5,151,661	11,178,747	113,208	24,978,015	13,686,060
Flavoring extracts and flavoring sirups	66	147	214	123	377	347,353	319,252	2,438,711	35,946	5,368,700	2,994,043
Food preparations, not elsewhere classified	34	73	220		337	240,040	252,963	1,896,503	31,464	3,224,570	1,296,603
Foundry and machine-shop products, not elsewhere classified	208	853	2,688	202	4,902	3,021,353	4,945,606	6,418,888	180,186	20,367,785	13,768,711
Fur goods	1,868	2,730	10,293		3,072	8,969,747	24,130,915	146,333,439	344,990	222,444,116	75,765,687
Furnishing goods, men's, not elsewhere classified	245	808	4,576		795	2,584,001	6,898,724	31,211,089	109,313	66,161,057	24,830,655
Furniture, including store and office fixtures	264	832	4,173	638	6,509	2,934,446	8,505,911	12,903,189	201,682	31,045,816	17,940,945
Furs, dressed	126	151	773		787	699,969	1,052,214	12,311,145	30,609	18,261,178	5,919,424
Gas and electric fixtures; lamps, lanterns, and reflectors	147	767	3,049	235	2,454	2,394,962	4,657,107	10,642,646	193,338	23,749,019	12,913,035
Glass products (except mirrors) made from purchased glass	57	154	663	10	542	538,016	1,301,741	1,581,647	61,512	4,512,638	2,879,479
Hand stamps and stencils and brands	39	96	295		193	245,137	447,283	486,937	11,374	1,692,741	1,194,430
Hardware not elsewhere classified	21	61	275	100	474	230,830	418,008	396,747	21,296	1,353,998	935,955
Hats and caps, except felt and straw, men's	199	236	1,616	3	628	601,080	2,848,445	5,976,458	50,310	13,071,674	7,044,906
House-furnishing goods, not elsewhere classified	275	760	4,091		1,734	2,247,074	4,988,321	22,625,639	112,623	36,849,962	14,111,700
Ice cream	61	129	452	5	4,224	396,334	794,509	4,258,627	194,382	7,378,013	2,925,004
Ice, manufactured	28	33	559	1,599	21,032	90,795	1,015,163	204,571	959,131	5,528,949	4,365,247
Ink, printing	20	159	305	650	1,399	489,896	443,854	1,494,619	70,234	3,919,353	2,354,500
Instruments, professional and scientific	27	84	309		203	232,027	500,017	697,112	15,313	2,249,853	1,337,427
Jewelry	519	1,356	4,453	330	2,371	4,714,438	9,343,862	29,100,456	119,725	55,909,683	26,689,502
Jewelry and instrument cases	38	64	365		208	164,395	524,656	651,832	9,860	1,906,558	1,244,866
Knit goods	130	545	2,873		1,240	1,851,696	3,878,833	13,967,068	122,590	27,343,936	13,254,278
Leather: Tanned, curried, and finished	6	16	51		165	85,293	96,163	1,249,933	5,442	1,888,938	633,563
Lithographing	78	842	2,943	830	4,150	2,926,692	5,711,351	6,678,509	181,805	20,486,022	13,625,708
Macaroni, spaghetti, vermicelli, and noodles	24	30	164	90	859	112,444	195,690	960,959	57,631	2,141,158	1,122,568
Machine-tool accessories and small metal-working tools, not elsewhere classified	23	51	263		338	182,957	490,341	172,979	16,071	1,136,622	947,572
Mattresses and bed springs, not elsewhere classified	56	117	566	55	679	335,132	954,881	2,652,999	28,345	5,320,950	2,639,606
Meat packing, wholesale	34	761	3,238	6,668	2,549	1,838,737	5,426,555	109,778,219	745,184	130,209,699	19,686,296
Mirror and picture frames	45	140	557		403	503,577	866,587	1,331,897	22,029	3,516,846	2,162,920
Mirrors, framed and unframed	37	157	672	150	662	404,958	1,112,229	1,428,082	44,290	3,894,505	2,422,133
Models and patterns, not including paper patterns	55	108	521	79	598	385,234	1,025,593	604,432	31,429	3,124,293	2,488,432
Motor-vehicle bodies and motor-vehicle parts	27	78	330		782	269,765	580,768	702,701	24,679	2,109,248	1,381,868
Musical-instrument parts and materials: Piano and organ	8	64	417	510	682	178,039	485,013	379,080	35,514	1,599,615	1,185,021
Nonferrous-metal alloys and products, not including aluminum products	78	272	963	352	1,720	870,222	1,571,730	6,601,641	114,891	11,469,976	4,753,444
Optical goods	20	86	366		210	283,945	579,767	848,237	14,727	2,285,337	1,422,373
Paints and varnishes	10	65	122		371	267,848	177,277	3,313,999	29,873	4,434,960	1,091,037
Paper goods, not elsewhere classified	43	131	406		733	390,997	553,672	1,951,007	23,628	3,795,383	1,820,948
Patent or proprietary medicines and compounds	77	532	907	475	631	1,683,326	1,160,816	3,874,906	59,436	20,096,885	16,163,443
Pens, fountain and stylographic; pen points, gold, steel, and brass	21	126	472	12	402	340,292	612,895	1,839,976	15,315	3,675,580	1,820,289
Perfumes, cosmetics, and other toilet preparations	192	1,867	4,630	30	2,313	5,417,375	5,510,075	19,440,701	157,792	72,636,831	53,038,338
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	48	150	655	115	2,231	479,006	1,446,656	1,611,493	59,269	6,176,721	3,505,959
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	11	55	209	160	326	164,639	356,289	872,695	20,335	1,787,768	894,738
Printing and publishing, book and job	1,616	10,210	21,361	30	24,583	29,193,073	44,723,307	43,500,902	1,515,428	214,016,459	169,000,129

See footnotes at end of this section, p. 373.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
NEW YORK COUNTY (MANHATTAN BOROUGH, NEW YORK CITY)—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Printing and publishing, newspaper and periodical	681	24,376	11,232	-------	22,520	68,855,666	31,666,488	69,294,508	1,210,250	341,948,507	271,443,749
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	15	43	140	-------	227	125,914	347,571	592,859	7,345	1,346,223	746,019
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	38	40	199	-------	759	117,569	370,459	3,354,244	53,807	4,605,950	1,197,899
Screw-machine products and wood screws	6	12	90	-------	321	103,553	143,776	397,535	13,057	1,417,664	1,007,072
Shirts	171	453	2,039	-------	517	1,299,961	2,847,287	26,008,672	60,880	46,685,128	20,615,576
Signs and advertising novelties	144	373	1,456	10	756	1,194,244	2,436,462	3,016,275	50,948	9,908,618	6,841,395
Silk and rayon manufactures	73	383	1,419	30	1,151	1,020,548	2,188,390	30,775,767	73,097	46,937,708	16,088,844
Sporting and athletic goods, not including firearms or ammunition	10	34	105	50	30	69,048	144,328	323,334	4,410	693,935	366,191
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	28	69	548	-------	701	255,122	634,380	918,318	38,665	2,536,576	1,579,593
Stationery goods, not elsewhere classified	31	177	629	41	458	608,833	806,975	1,396,261	26,781	3,888,918	2,461,876
Statuary and art goods, factory product	21	70	366	-------	58	281,872	1,084,652	314,208	10,235	2,174,721	1,850,278
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	10	29	54	-------	233	102,946	84,563	377,509	7,169	687,628	302,950
Textile machinery and parts	6	6	61	-------	135	10,070	64,876	61,176	4,426	210,114	144,512
Toys (not including children's wheel goods or sleds), games, and playground equipment	122	418	2,516	-------	930	1,121,908	3,195,957	7,021,785	131,146	15,321,323	8,168,392
Umbrellas, parasols, and canes	78	119	646	1	232	318,005	786,606	4,201,161	19,820	6,448,216	2,227,229
Watch and clock materials and parts, except watch-cases	3	4	17	-------	5	14,250	23,086	30,282	220	97,250	66,748
Window and door screens and weather strip	7	11	19	2	46	17,081	31,826	80,234	1,208	190,197	108,755
Window shades and fixtures	38	33	171	-------	68	79,761	281,391	1,502,983	4,512	2,378,784	871,289
Wirework, not elsewhere classified	39	79	420	10	225	204,576	481,381	587,813	20,617	1,711,147	1,102,717
Wood turned and shaped and other wooden goods, not elsewhere classified	33	48	209	16	509	148,953	378,619	1,101,158	13,748	2,404,225	1,289,319
Other industries	3,587	15,735	73,534	43,959	47,922	48,525,828	116,143,239	259,877,735	11,167,589	569,553,394	298,508,070

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[11] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

NIAGARA COUNTY

Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Chemicals, not elsewhere classified"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	293	4,855	22,605	18,224	179,768	*Dollars* 10,967,993	*Dollars* 33,075,397	*Dollars* 93,575,045	*Dollars* 12,832,879	*Dollars* 212,180,354	*Dollars* 105,772,430

ONEIDA COUNTY

All industries, total	400	3,854	26,728	42,047	77,619	*Dollars* 9,661,231	*Dollars* 30,710,752	*Dollars* 85,136,940	*Dollars* 4,356,954	*Dollars* 161,232,522	*Dollars* 71,738,628
Awnings, tents, sails, and canvas covers	3	3	14	-------	63	2,957	15,671	26,409	469	66,607	39,729
Beverages	14	39	111	553	387	95,271	122,097	418,901	35,592	1,102,759	648,266
Boxes, paper, not elsewhere classified	3	10	130	-------	368	26,507	111,721	228,442	9,476	459,846	221,928
Bread and other bakery products	47	48	386	-------	720	107,767	600,871	1,269,954	58,987	2,922,496	1,593,555
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	15	42	312	1,031	568	78,829	264,286	939,306	25,102	1,772,672	808,264
Cheese	27	2	24	63	47	(11)	34,410	534,712	9,153	644,791	100,924
Cigars and cigarettes	3	-------	12	-------	-------	-------	8,598	10,542	154	27,316	16,620
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	9	178	850	50	236	378,092	974,567	1,736,728	27,233	4,050,692	2,286,731
Concrete products	6	6	16	-------	63	9,524	17,354	19,918	930	75,709	54,861
Cotton goods	6	141	3,359	10,606	17,842	371,996	3,453,090	5,383,826	503,112	12,551,639	6,664,701
Electrical machinery, apparatus, and supplies	8	48	101	-------	295	94,753	142,104	936,129	12,289	1,440,767	492,349
Flour and other grain-mill products	5	9	22	110	316	26,918	32,662	391,375	5,610	883,095	186,110
Foundry and machine-shop products, not elsewhere classified	21	112	635	351	1,492	286,806	909,917	1,334,537	118,290	3,247,821	1,794,994
Furniture, including store and office fixtures	11	69	499	510	1,395	179,815	586,716	1,004,214	55,071	2,759,609	1,610,324
Ice cream	6	27	71	6	446	55,585	101,183	514,115	18,975	1,098,726	565,636
Ice, manufactured	3	8	40	-------	258	18,300	36,153	8,498	19,697	132,883	104,688
Knit goods	24	334	5,343	6,580	5,158	926,378	4,071,765	9,327,646	324,741	17,456,725	7,804,338
Motor-vehicle bodies and motor-vehicle parts	7	148	924	35	3,161	392,325	1,315,756	1,671,159	107,171	4,604,314	2,825,984
Paper	3	15	174	1,255	258	57,107	206,862	568,045	106,217	1,165,911	491,649
Photo-engraving, not done in printing establishments	3	7	26	-------	14	15,857	55,405	29,096	2,172	150,962	119,694
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	8	28	99	390	875	72,623	139,200	294,191	18,639	754,303	441,473
Printing and publishing, book and job	27	32	159	-------	291	83,941	220,374	282,701	9,752	919,265	626,812
Printing and publishing, newspaper and periodical	14	239	283	4	679	422,910	490,566	383,235	26,425	2,272,797	1,863,137
Signs and advertising novelties	5	21	130	-------	412	40,738	149,382	139,188	7,483	497,340	350,669
Sporting and athletic goods, not including firearms or ammunition	8	50	310	20	112	107,410	308,000	429,534	11,474	1,191,483	750,475
Other industries	114	2,238	12,666	20,483	42,163	5,808,820	16,342,062	57,164,539	2,842,738	99,281,994	39,274,717

[12] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ONONDAGA COUNTY											
All industries, total	549	5,971	35,060	66,453	105,775	*Dollars* 15,804,311	*Dollars* 52,555,512	*Dollars* 93,406,857	*Dollars* 8,318,667	*Dollars* 243,340,855	*Dollars* 141,615,331
Awnings, tents, sails, and canvas covers	4	2	31	12	13	[13]	52,511	53,504	2,455	127,002	71,043
Beverages	10	21	51	1,060	117	46,029	72,509	150,613	26,982	483,732	306,137
Boxes, paper, not elsewhere classified	8	35	301	100	304	123,614	284,037	760,035	16,475	1,467,232	690,722
Boxes, wooden, except cigar boxes	4	5	38	107	75	8,202	34,459	66,949	2,797	130,012	61,166
Bread and other bakery products	62	93	928		1,596	204,986	1,402,045	3,219,699	165,156	7,222,862	3,838,007
Candles	6	92	434	1,375	255	256,992	501,821	1,851,867	49,291	3,850,992	1,949,834
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	7	6	50	280	105	11,483	36,304	154,563	2,828	272,959	115,568
Cigars and cigarettes	7	13	90		20	31,266	69,298	103,817	1,687	254,584	149,080
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	15	88	1,211		166	219,570	1,575,526	1,700,619	23,140	4,109,121	2,385,362
Coffee and spice, roasting and grinding	5	4	18		63	19,075	20,933	298,601	4,128	451,241	148,512
Confectionery	6	14	101		227	52,520	94,358	339,916	10,371	576,571	226,284
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	6	46		31	16,380	24,480	51,300	1,290	133,200	80,610
Druggists' preparations	7	36	32		52	117,846	37,347	121,124	3,018	386,569	262,427
Foundry and machine-shop products, not elsewhere classified	47	687	3,336	1,565	9,174	1,723,026	4,874,065	5,915,192	400,571	20,581,160	14,265,397
Furniture, including store and office fixtures	9	71	622	360	868	269,989	960,960	1,083,182	36,123	2,947,806	1,828,501
Ice cream	6	48	132		559	131,415	198,733	637,888	12,497	1,470,485	820,100
Ice, manufactured	3	20	42	210	2,701	57,492	86,458	36,387	81,612	450,888	332,889
Knit goods	3	13	60		56	27,718	34,458	137,028	2,081	286,379	147,270
Machine-tool accessories and small metal-working tools, not elsewhere classified	9	27	180	75	284	130,833	337,124	97,124	12,025	831,850	722,701
Meat packing, wholesale	5	13	51	5	499	29,074	116,453	962,641	19,055	1,219,644	237,948
Models and patterns, not including paper patterns	5	9	29		45	18,590	61,411	16,044	3,326	160,778	141,408
Motor-vehicle bodies and motor-vehicle parts	8	577	3,370	425	19,315	1,683,178	5,529,778	10,792,196	458,514	23,811,664	12,560,954
Nonferrous-metal alloys and products, not including aluminum products	6	72	934	75	749	229,843	903,288	1,487,977	70,243	3,612,829	2,054,609
Paper	10	50	458	3,930	3,374	170,547	542,386	1,753,991	261,124	3,344,584	1,329,469
Patent or proprietary medicines and compounds	5	18	9		33	30,942	8,379	58,208	953	175,796	116,635
Photo-engraving, not done in printing establishments	4	13	46		15	36,141	108,344	31,679	2,785	286,826	252,362
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	9	16	88	350	559	23,864	145,275	202,801	11,599	462,346	247,946
Printing and publishing, book and job	45	78	306		424	186,398	473,054	393,560	22,174	1,581,930	1,166,196
Printing and publishing, newspaper and periodical	19	648	439		992	1,358,056	964,763	1,202,873	49,716	6,024,734	4,772,145
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	7	62	153		1,232	189,114	254,910	659,264	19,944	1,374,866	695,658
Wirework, not elsewhere classified	3	3	10		15	4,176	10,663	7,555	718	33,199	24,926
Other industries	202	3,131	21,464	56,524	61,857	8,395,952	32,759,382	59,059,560	6,543,989	155,217,014	89,613,465
ORANGE COUNTY											
All industries, total	243	1,343	10,558	11,841	15,866	*Dollars* 3,562,696	*Dollars* 13,283,834	*Dollars* 22,659,668	*Dollars* 1,410,138	*Dollars* 52,108,156	*Dollars* 28,038,350
Beverages	12	6	23	4	114	7,922	27,970	67,429	3,503	170,552	99,620
Bread and other bakery products	40	22	162	5	234	30,581	216,002	556,864	22,923	1,135,570	555,783
Car and general construction and repairs, steam-railroad repair shops	9	177	1,568	1,200	1,844	442,915	2,497,511	1,464,819	131,782	4,537,027	2,940,426
Carpets and rugs, wool, other than rag	3	77	735	1,745	283	262,092	868,041	1,559,226	55,738	3,744,704	2,129,740
Clothing, women's, not elsewhere classified	16	49	887		116	96,398	679,763	920,892	19,297	2,069,672	1,129,483
Foundry and machine-shop products, not elsewhere classified	11	92	440	290	1,485	245,065	690,803	911,570	40,718	2,289,983	1,337,695
Gas, manufactured, illuminating and heating	4	18	63	572	23	27,521	106,994	66,739	158,246	675,877	450,892
Ice cream	7	14	26		218	26,377	49,354	143,452	9,532	302,725	149,741
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	5	9	34	125	314	19,085	62,118	70,803	7,640	192,629	114,186
Printing and publishing, book and job	12	21	141		173	57,097	275,795	159,400	15,464	656,185	481,321
Printing and publishing, newspaper and periodical	13	102	112		207	192,940	211,154	117,001	14,804	927,043	795,238
Silk and rayon manufactures	11	44	899	330	826	138,640	1,115,491	3,188,442	69,967	5,785,048	2,526,639
Other industries	100	712	5,468	7,570	10,027	2,016,063	6,482,838	13,433,031	860,524	29,621,141	15,327,586

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[13] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
QUEENS COUNTY (QUEENS BOROUGH, NEW YORK CITY)											
All industries, total	1,417	10,840	55,166	47,432	100,365	*Dollars* 33,354,732	*Dollars* 85,461,966	*Dollars* 271,463,336	*Dollars* 7,397,451	*Dollars* 515,178,834	*Dollars* 236,318,047
Beverages	18	40	145		276	107,326	204,305	633,498	16,283	1,721,384	1,071,601
Boxes, paper, not elsewhere classified	13	98	815		991	485,621	901,773	2,947,554	42,303	5,364,865	2,374,708
Bread and other bakery products	279	1,116	4,022	1,042	6,216	2,308,505	5,508,386	14,896,340	643,724	34,270,373	18,830,309
Buttons	7	41	198		325	102,324	230,571	292,128	17,158	875,208	565,922
Chemicals, not elsewhere classified	9	23	62	20	275	141,927	101,602	351,820	21,901	800,197	426,476
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	9	15	445		93	39,284	770,485	101,542	14,513	1,051,014	934,959
Clothing, women's, not elsewhere classified	48	116	1,100	3	340	236,809	1,401,622	1,397,287	22,879	4,056,276	2,636,110
Concrete products	17	22	111	4	482	85,993	264,618	126,443	8,117	710,735	676,175
Confectionery	9	66	479	225	525	182,587	517,642	1,527,319	26,861	3,267,619	1,713,439
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	22	45	226		204	177,597	471,435	634,537	4,627	1,723,431	1,084,267
Doors, shutters, and window sash and frames, metal	6	97	817	200	668	329,811	1,651,764	1,320,106	36,948	4,019,945	2,662,891
Druggists' preparations	5	51	85		76	140,660	88,647	301,704	5,519	868,856	561,633
Fancy and miscellaneous articles, not elsewhere classified	12	80	574		559	309,720	584,368	1,499,203	20,730	3,367,473	1,847,540
Food preparations, not elsewhere classified	7	41	139		642	77,050	182,936	1,269,859	23,152	2,010,677	717,666
Foundry and machine-shop products, not elsewhere classified	48	285	1,270	15	3,018	945,940	2,179,419	3,002,775	128,926	9,100,584	5,968,883
Furniture, including store and office fixtures	48	388	2,498	44	3,935	1,343,069	3,974,816	6,791,938	146,614	16,665,303	9,726,751
Furs, dressed	5	27	175		627	126,826	292,018	138,304	30,089	875,470	707,077
Gas and electric fixtures; lamps, lanterns, and reflectors	7	151	474		503	500,477	998,787	919,278	33,439	3,356,440	2,403,723
Ice cream	27	185	531	680	3,902	375,911	986,160	3,619,629	122,268	9,499,485	5,757,588
Ice, manufactured	17	13	221	1,440	5,053	40,403	404,776	96,970	388,461	2,957,713	2,472,282
Knit goods	54	150	1,606	20	1,138	585,707	2,428,866	4,017,408	72,119	9,368,077	5,278,550
Macaroni, spaghetti, vermicelli, and noodles	6	37	212	350	1,862	112,827	231,824	1,236,284	55,812	2,214,233	922,137
Marble, granite, slate, and other stone products	54	240	1,337	25	8,681	931,982	3,859,753	2,539,210	145,487	9,521,708	6,837,011
Mirrors, framed and unframed	4	14	48		43	41,367	80,308	158,479	4,325	370,518	207,714
Motor-vehicle bodies and motor-vehicle parts	16	121	885		1,931	454,153	1,689,252	1,564,932	66,949	4,172,338	2,540,457
Nonferrous-metal alloys and products, not including aluminum products	17	101	378	103	894	299,341	702,019	3,335,016	72,054	5,233,843	1,826,773
Paints and varnishes	29	271	771	151	3,137	1,236,965	1,151,658	9,157,013	125,255	16,268,491	6,986,223
Patent or proprietary medicines and compounds	12	70	178		314	286,939	202,024	1,052,759	20,332	3,843,647	2,770,556
Perfumes, cosmetics, and other toilet preparations	10	352	731	808	631	582,952	499,128	2,184,227	27,686	7,146,875	4,934,962
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	40	167	796	1,399	2,904	707,680	1,596,817	2,566,772	55,454	6,204,845	3,582,619
Printing and publishing, book and job	56	189	1,616	3	2,988	602,362	3,025,354	1,885,872	85,630	7,869,773	5,898,271
Printing and publishing, newspaper and periodical	20	299	206		594	702,207	553,517	374,508	25,104	2,654,011	2,254,399
Rubber goods other than tires, inner tubes, and boots and shoes	11	160	2,149	5,820	981	418,290	2,706,818	2,850,953	145,579	9,379,896	6,383,364
Signs and advertising novelties	11	69	232		186	158,295	468,375	393,062	20,808	1,485,353	1,071,483
Silk and rayon manufactures	8	77	828		1,409	210,013	1,064,260	2,768,169	59,530	4,712,476	1,884,777
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	7	227	1,009	1,500	2,414	646,767	1,490,200	2,779,233	135,697	6,613,544	3,698,614
Statuary and art goods, factory product	4	6	39		29	19,354	118,078	44,017	604	207,992	163,371
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	31	386	1,767	291	3,274	1,241,097	3,199,047	5,028,399	107,392	12,506,571	7,370,780
Tin cans and other tinware, not elsewhere classified	5	105	1,015	1,375	614	287,106	1,225,834	3,370,883	87,011	6,139,554	2,681,660
Wirework, not elsewhere classified	5	14	42		79	63,600	74,475	91,900	3,995	307,987	212,092
Other industries	404	4,885	24,934	31,914	37,552	15,707,888	37,378,229	182,195,706	4,426,114	292,394,051	105,772,234
RENSSELAER COUNTY											
All industries, total	203	1,726	15,474	24,769	26,357	*Dollars* 4,542,305	*Dollars* 16,730,861	*Dollars* 29,418,309	*Dollars* 3,645,046	*Dollars* 71,272,950	*Dollars* 38,209,595
Beverages	6	6	32		53	12,740	44,691	67,741	4,266	194,561	122,554
Bread and other bakery products	19	32	236	175	128	78,156	378,908	722,603	44,176	1,476,957	710,178
Clay products (other than pottery) and nonclay refractories	4	20	146		586	74,323	200,329	80,044	74,298	410,333	255,991
Paper	6	112	714	4,326	3,659	441,418	940,029	1,754,572	322,807	4,841,906	2,764,527
Printing and publishing, book and job	14	27	131		179	88,347	197,598	149,825	9,445	587,349	428,079
Printing and publishing, newspaper and periodical	8	142	165	130	296	278,213	310,942	181,125	17,363	1,164,795	966,307
Shirts	13	277	4,532	2,897	607	493,272	3,581,162	6,167,730	109,862	13,203,686	6,926,094
Other industries	133	1,110	9,518	17,241	20,849	3,075,836	11,077,202	20,294,669	3,062,829	49,393,363	26,035,865

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
RICHMOND COUNTY (RICHMOND BOROUGH, NEW YORK CITY)											
All industries, total	210	1,305	8,247	14,441	41,405	*Dollars* 3,430,650	*Dollars* 12,594,647	*Dollars* 58,186,484	*Dollars* 2,242,422	*Dollars* 92,354,729	*Dollars* 31,925,823
Beverages	6	17	64	300	35	45,242	167,977	118,376	30,544	486,128	337,208
Bread and other bakery products	56	15	235	13	374	39,747	409,719	839,288	55,243	1,780,047	885,516
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	6	2	171	----	30	[14]	99,018	31,377	7,002	186,983	148,604
Clothing, women's, not elsewhere classified	13	4	271	----	56	5,504	258,013	28,463	5,945	455,310	420,902
Foundry and machine-shop products, not elsewhere classified	5	33	75	195	308	89,823	145,599	244,434	10,482	621,559	366,643
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	9	9	32	----	251	28,584	64,075	78,948	5,390	228,892	144,554
Printing and publishing, book and job	8	10	27	----	57	18,180	44,909	57,417	1,937	163,922	104,568
Printing and publishing, newspaper and periodical	7	77	60	----	128	257,263	125,529	107,047	10,074	765,740	648,619
Ship and boat building, steel and wooden, including repair work	11	206	2,010	10	11,307	526,113	3,490,819	2,488,606	158,301	7,096,210	4,449,303
Other industries	89	932	5,302	13,923	28,859	2,420,194	7,788,689	54,192,528	1,957,504	80,569,938	24,419,906
SCHENECTADY COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industries—namely, "Electrical machinery, apparatus, and supplies" and "Locomotives, not made in railroad repair shops"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	126	4,766	25,684	57,292	117,455	*Dollars* 10,430,406	*Dollars* 43,754,711	*Dollars* 83,908,635	*Dollars* 3,205,601	*Dollars* 168,424,664	*Dollars* 81,310,428
WESTCHESTER COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Carpets and rugs, wool, other than rag," as measured by number of wage earners, and "Sugar refining, cane," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	522	4,024	26,136	47,863	36,422	*Dollars* 10,617,478	*Dollars* 38,905,553	*Dollars* 166,505,988	*Dollars* 3,754,875	*Dollars* 291,008,158	*Dollars* 120,747,295

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[14] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
ALBANY											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Car and general construction and repairs, steam-railroad repair shops"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	227	1,727	8,097	5,341	15,751	*Dollars* 4,275,640	*Dollars* 11,492,943	*Dollars* 22,441,412	*Dollars* 874,736	*Dollars* 52,600,178	*Dollars* 29,284,030
BUFFALO											
[The totals for all industries do not include data for a few establishments located outside the city (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	1,391	12,296	68,854	99,256	299,284	*Dollars* 34,165,644	*Dollars* 100,577,592	*Dollars* 420,856,099	*Dollars* 19,171,490	*Dollars* 720,200,980	*Dollars* 280,173,391
Aircraft and parts	6	416	2,031	-------	1,038	1,046,472	3,104,742	2,334,620	63,238	7,650,786	5,252,928
Awnings, tents, sails, and canvas covers [1]	11	39	89	-------	47	92,147	105,273	201,647	3,281	519,389	314,461
Bags, other than paper, not made in textile mills	6	61	383	760	594	156,944	325,066	7,070,135	15,739	8,060,995	975,121
Beverages	25	49	165	50	721	113,515	229,023	346,557	29,074	1,057,946	682,315
Boxes, paper, not elsewhere classified [1]	14	171	1,280	502	1,327	548,944	1,227,158	1,971,076	34,390	5,326,211	3,320,745
Bread and other bakery products	197	190	2,561	2,116	2,203	397,078	3,415,698	9,425,447	290,329	22,756,710	13,040,934
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	4	12	18	-------	32	21,486	21,506	73,313	1,481	139,066	64,272
Car and general construction and repairs, steam-railroad repair shops	12	290	3,447	495	5,868	732,916	5,914,420	4,987,896	168,168	11,813,508	6,657,444
Cigars and cigarettes	14	-------	49	-------	-------	----------	52,201	71,994	821	190,941	118,126
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	36	168	1,842	20	316	624,840	1,722,954	4,021,434	29,125	7,966,026	3,915,467
Clothing, women's, not elsewhere classified	10	82	816	-------	184	208,209	555,141	1,504,336	9,611	3,120,560	1,606,613
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	3	1	31	-------	14	(2)	22,917	61,361	757	114,169	52,051
Coffee and spice, roasting and grinding	9	20	54	-------	523	55,274	64,085	2,090,866	13,498	3,050,528	946,164
Confectionery [1]	33	65	365	-------	639	180,839	271,889	1,125,767	29,838	2,131,419	975,814
Engraving, steel and copperplate, and plate printing	10	19	74	3	59	54,501	87,028	95,890	1,941	326,850	229,019
Envelopes	3	30	177	-------	232	122,508	194,410	594,162	6,082	1,123,658	523,414
Flavoring extracts and flavoring sirups	11	50	241	1,685	262	168,113	379,865	1,726,967	73,264	3,631,984	1,831,753
Flour and other grain-mill products [1]	11	520	1,158	750	25,686	1,489,478	1,908,544	67,398,321	497,306	78,889,358	10,993,731
Food preparations, not elsewhere classified	13	7	49	-------	112	19,349	70,568	776,076	7,261	1,009,955	226,618
Foundry and machine-shop products, not elsewhere classified	98	1,022	5,841	210	29,175	2,930,542	9,465,304	12,551,253	929,039	35,124,712	21,644,420
Fur goods	21	23	143	-------	48	43,728	176,601	462,432	7,630	889,050	418,982
Gloves and mittens, leather	6	5	37	-------	19	5,253	44,093	121,181	1,152	228,393	106,060
Grease and tallow, not including lubricating greases	5	15	72	-------	885	81,834	107,174	552,980	22,159	908,390	333,251
Hats and caps, except felt and straw, men's	5	14	89	-------	13	32,577	82,319	188,817	1,464	378,110	187,829
Ice, manufactured	7	19	127	-------	6,118	89,942	218,722	39,686	106,031	1,150,674	1,004,957
Instruments, professional and scientific	4	9	19	-------	27	20,675	22,973	42,992	873	117,560	73,695
Iron and steel: Steel works and rolling mills	5	483	2,965	10,080	25,891	1,522,867	4,427,231	11,397,652	1,408,743	22,301,358	9,494,963
Jewelry	21	54	226	-------	107	161,224	350,639	712,664	4,873	1,678,565	961,028
Leather: Tanned, curried, and finished	3	34	255	10	1,366	119,752	344,748	2,340,730	35,756	3,242,516	866,030
Lithographing	5	72	448	290	660	276,417	640,916	1,221,158	23,406	2,900,988	1,656,424
Machine-tool accessories and small metal-working tools, not elsewhere classified [1]	8	21	154	10	355	70,481	280,481	91,128	8,329	594,794	495,337
Malt	4	14	61	60	2,311	84,304	124,687	2,122,688	67,667	2,923,988	733,633
Marble, granite, slate, and other stone products	5	39	202	-------	1,315	108,790	289,159	435,088	15,832	1,146,596	695,676
Mattresses and bed springs, not elsewhere classified [1]	9	44	175	-------	330	110,855	241,635	519,639	10,511	1,285,953	755,803
Meat packing, wholesale [1]	34	395	1,598	1,928	5,074	986,837	2,227,793	41,595,573	229,781	48,612,533	6,787,179
Millinery	6	21	137	-------	99	55,531	125,775	311,553	2,493	579,707	265,661
Motor vehicles, not including motorcycles	5	860	6,060	4,492	10,815	2,356,057	9,293,738	71,833,653	319,015	105,238,917	33,086,249
Perfumes, cosmetics, and other toilet preparations	10	65	134	125	172	183,884	127,112	839,077	14,931	2,541,697	1,687,689
Photo-engraving, not done in printing establishments	8	52	132	-------	320	193,512	366,337	83,747	9,786	889,227	795,694
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	35	143	599	1,925	4,379	396,195	860,755	1,655,584	86,057	3,490,578	1,748,937
Printing and publishing, newspaper and periodical	30	932	933	-------	2,728	1,858,142	1,930,509	3,481,634	76,866	11,881,009	8,322,509
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [1]	26	25	189	25	679	52,180	288,293	2,850,709	30,548	3,641,603	760,346
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering [1]	8	242	1,488	-------	6,156	673,426	2,129,897	3,436,536	213,745	6,917,216	3,266,935
Stereotyping and electrotyping, not done in printing establishments	3	16	57	-------	186	79,296	121,826	42,075	5,132	350,278	303,071
Window shades and fixtures	3	-------	5	-------	2	----------	5,096	19,928	----------	37,576	17,648
Other industries	602	5,503	31,948	73,780	161,077	15,674,727	46,684,731	156,559,572	14,272,617	303,052,136	132,219,947

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for the following numbers of establishments located outside the city have been included in the items for the city, to avoid disclosing the data reported by those establishments: Awnings, tents, sails, and canvas covers, 1; boxes, paper, not elsewhere classified, 1; confectionery, 1; flour and other grain-mill products, 3; machine-tool accessories and small metal-working tools, not elsewhere classified, 1; mattresses and bed springs, not elsewhere classified, 1; meat packing, wholesale, 3; sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments, 1; stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering, 1.

[2] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEW YORK CITY											
[For borough statistics, see Bronx, Kings, New York, Queens, and Richmond Counties, Table 13. The totals for all industries do not include data for a few establishments located outside the city (see footnotes 3, 4, 5, and 6), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	29,446	140,458	563,249	250,002	728,620	*Dollars* 425,867,969	*Dollars* 912,274,596	*Dollars* 2,885,380,031	*Dollars* 61,749,742	*Dollars* 5,984,254,941	*Dollars* 3,037,125,168
Artificial and preserved flowers and plants [3]	114	213	1,664	-------	247	565,529	1,918,267	2,844,143	33,078	8,000,809	5,123,588
Artists' materials [4]	21	64	172	-------	235	289,566	245,076	463,642	12,772	1,560,375	1,083,961
Awnings, tents, sails, and canvas covers	125	193	757	90	346	608,509	1,311,881	3,151,753	31,285	6,828,383	3,645,345
Beverages	196	574	2,316	16,214	6,395	1,851,650	3,973,631	7,256,344	781,564	21,644,975	13,607,067
Blacking, stains, and dressings	10	42	89	-------	99	133,335	92,908	558,050	3,951	1,301,567	739,566
Bookbinding and blank-book making	388	1,235	8,547	24	6,571	3,640,687	11,790,164	9,701,212	318,733	33,109,035	23,089,090
Boots and shoes, other than rubber	262	1,733	14,619	732	7,108	5,587,584	24,064,728	36,596,440	439,138	82,389,565	45,353,987
Boxes, cigar, wooden	6	31	345	60	270	120,403	402,474	374,112	10,803	1,096,518	711,603
Boxes, paper, not elsewhere classified	237	1,036	6,931	1,039	6,039	3,636,984	8,201,386	18,320,970	318,373	38,427,795	19,788,452
Boxes, wooden, except cigar boxes	43	111	628	78	2,374	370,494	917,116	2,134,520	72,738	4,493,109	2,285,851
Bread and other bakery products	1,963	2,848	23,383	5,758	29,094	7,342,392	37,824,025	93,739,878	3,798,314	216,162,943	118,624,751
Brushes, other than rubber	53	173	1,180	17	931	545,213	1,382,160	4,090,842	70,975	7,768,467	3,606,650
Buttons	74	146	1,056	10	970	405,984	1,185,927	2,280,511	57,763	5,515,308	3,177,034
Canning and preserving: Fish, crabs, shrimps, oysters, and clams [3]	23	85	236	-------	248	288,838	287,741	4,435,677	47,987	7,200,887	2,717,223
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	55	306	1,625	505	2,336	929,571	1,782,834	17,368,362	122,683	27,932,171	10,441,126
Car and general construction and repairs, steam-railroad repair shops	12	201	2,344	-------	2,052	555,087	4,060,422	1,740,399	171,025	6,526,933	4,615,509
Card cutting and designing	21	82	313	-------	269	211,222	399,361	1,028,722	11,424	2,235,478	1,195,332
Carriages, wagons, sleighs, and sleds	3	8	16	-------	34	17,760	20,214	41,897	1,492	103,361	59,972
Caskets, coffins, burial cases, and other morticians' goods	21	127	738	522	1,632	501,920	1,083,580	2,628,644	51,786	6,813,190	4,132,760
Cheese	5	3	11	-------	5	6,545	14,270	241,200	3,956	301,528	56,372
Chemicals, not elsewhere classified	43	301	1,151	1,674	2,992	1,452,968	1,682,088	8,816,088	382,939	17,897,309	8,698,282
China firing and decorating, not done in potteries [3]	9	10	70	-------	23	20,135	111,864	166,104	12,245	446,958	268,609
Cigars and cigarettes	302	454	6,259	236	1,870	1,400,705	7,294,863	23,453,874	98,913	71,915,470	48,362,683
Clay products (other than pottery) and nonclay refractories	5	61	489	1,020	803	178,963	754,525	181,921	143,292	1,729,449	1,404,236
Cleaning and polishing preparations	50	354	579	450	1,453	961,026	712,697	2,927,906	49,649	8,465,621	5,488,066
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	1,682	3,655	28,498	625	5,958	11,001,021	44,101,165	158,373,243	874,657	319,217,992	159,970,092
Clothing, men's, buttonholes	16	6	81	6	34	11,445	96,503	15,696	1,113	188,305	171,496
Clothing, women's, not elsewhere classified	5,554	18,751	96,011	20	16,800	61,862,273	159,335,352	713,404,269	2,950,261	1,287,957,359	571,603,029
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	25	41	317	-------	81	105,446	533,809	1,791,033	8,680	3,076,240	1,276,527
Coffee and spice, roasting and grinding	82	653	1,361	858	5,368	1,782,770	1,702,902	60,991,511	368,947	75,082,648	13,722,190
Combs and hairpins, not made from metal or rubber	5	13	36	-------	20	39,506	41,303	179,150	1,374	364,967	184,443
Compressed and liquefied gases	5	31	104	724	596	57,070	175,730	165,968	45,153	1,133,943	922,822
Concrete products	59	90	371	52	2,026	296,475	770,998	631,076	45,267	2,605,579	1,929,236
Confectionery	148	905	8,121	6,839	9,701	2,419,379	7,941,801	22,455,761	675,161	45,152,849	22,021,827
Cooperage	16	35	390	605	47	82,069	507,053	2,036,442	15,630	3,095,877	1,043,805
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	232	605	2,351	1	2,667	1,979,457	4,694,018	7,287,253	120,369	18,242,204	10,834,582
Cork products	18	78	863	815	1,193	167,977	946,465	2,569,518	78,945	5,088,801	2,440,338
Cotton goods	10	49	236	-------	602	135,659	342,419	1,265,640	26,546	2,268,300	976,114
Cotton small wares	9	19	169	165	121	118,189	258,762	624,890	16,335	1,391,107	749,882
Dental goods and equipment [3]	19	248	981	2,080	366	683,973	1,266,674	5,699,527	53,265	9,587,108	3,834,316
Doors, shutters, and window sash and frames, metal	52	349	1,926	355	3,067	1,218,595	4,243,662	5,286,145	100,200	14,069,970	8,683,625
Druggists' preparations	51	253	579	60	446	947,688	697,410	3,000,915	42,277	8,247,439	5,204,247
Dyeing and finishing textiles	139	577	3,738	850	8,358	2,060,740	5,009,330	8,969,280	707,184	21,409,473	11,733,509
Electrical machinery, apparatus, and supplies	202	2,719	12,740	825	15,054	7,724,396	15,230,015	39,539,885	729,892	87,681,634	47,411,887
Electroplating	71	123	627	15	1,910	379,649	1,174,993	397,237	96,192	2,934,042	2,440,613
Embroideries	395	395	3,146	-------	733	1,007,953	4,027,267	2,469,419	68,413	11,795,279	9,256,447
Engravers' materials	9	28	70	-------	237	74,039	99,325	540,832	12,099	921,174	368,243
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking [3]	62	156	790	-------	1,079	480,082	1,126,615	1,107,357	46,976	4,318,492	3,164,159
Engraving, steel and copperplate, and plate printing	101	479	3,198	7	3,746	1,550,315	5,978,971	3,534,801	115,783	16,093,419	12,442,835
Engraving, wood	7	12	39	-------	33	27,504	66,662	16,165	932	164,589	147,492
Envelopes [3]	33	308	1,320	360	1,297	863,601	1,543,291	3,533,417	72,473	7,830,533	4,204,643
Fancy and miscellaneous articles, not elsewhere classified	359	1,025	6,130	103	2,732	3,087,942	7,076,187	15,476,220	206,747	34,769,065	19,086,098
Feathers, plumes, and manufactures thereof	34	44	231	1	59	99,967	281,062	336,033	4,976	988,616	647,607
Flavoring extracts and flavoring sirups	106	308	593	841	1,947	1,010,439	884,616	6,100,990	146,143	12,676,256	6,429,123
Food preparations, not elsewhere classified	80	705	1,360	435	2,690	2,112,689	1,740,600	11,327,551	159,233	20,379,585	8,892,801
Foundry and machine-shop products, not elsewhere classified	443	3,522	14,277	1,884	38,207	11,109,282	25,491,730	23,469,469	1,170,915	89,435,118	64,794,734
Fur goods	2,007	2,796	10,589	-------	3,270	9,111,551	24,750,583	148,514,006	370,342	226,503,928	77,619,580
Furnishing goods, men's, not elsewhere classified	277	836	5,257	-------	959	2,649,436	7,638,619	32,883,649	126,695	59,615,367	26,605,023
Furniture, including store and office fixtures	557	2,034	10,738	1,504	20,210	7,092,594	20,441,226	35,717,077	622,614	82,855,665	46,515,974
Furs, dressed	186	464	2,970	80	4,897	2,077,206	5,180,404	13,923,260	208,791	28,282,107	14,150,056
Gas and electric fixtures; lamps, lanterns, and reflectors	201	1,159	5,121	460	4,440	3,685,049	8,124,219	15,322,446	324,965	36,282,424	20,635,013
Gas machines, gas meters, and water and other liquid meters	8	195	1,120	-------	1,919	572,309	1,715,798	1,856,258	93,360	6,330,688	4,381,070
Glass products (except mirrors) made from purchased glass	86	183	837	90	598	618,043	1,590,093	1,860,014	61,432	5,446,256	3,524,810
Gloves and mittens, leather	17	37	268	-------	28	72,428	400,618	498,573	2,866	1,202,341	700,902
Grease and tallow, not including lubricating greases	9	118	429	1,475	430	299,775	662,604	3,524,488	107,999	4,942,474	1,309,977
Hair work [3]	32	58	225	1	19	120,874	284,574	413,366	6,469	1,180,223	760,388
Hand stamps and stencils and brands	48	138	565	-------	343	359,971	784,020	580,002	23,535	2,480,294	1,876,757

See footnotes at end of this section, p. 380.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
NEW YORK CITY—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Hardware not elsewhere classified	44	238	1,651	459	2,339	920,346	2,267,406	2,000,399	120,234	6,748,951	4,628,318
Hat and cap materials, men's	74	172	1,132	1,215	466	600,663	1,386,972	8,626,633	60,525	12,391,071	3,703,913
Hats and caps, except felt and straw, men's	212	243	1,730	3	657	614,020	2,992,012	6,082,769	54,011	13,433,777	7,296,997
Hats, straw, men's	21	118	1,059	-------	215	490,245	1,463,133	3,438,256	22,705	7,580,668	4,119,707
House-furnishing goods, not elsewhere classified	384	970	5,493	-------	3,242	2,825,378	6,461,562	30,442,600	189,888	49,656,858	19,024,370
Ice cream	179	529	1,716	755	16,515	1,318,007	2,988,360	14,114,571	548,843	28,637,128	13,973,714
Ice, manufactured	93	131	1,598	5,494	57,152	404,164	2,982,770	786,422	2,755,271	17,711,352	14,169,659
Ink, printing [3]	39	349	855	2,314	3,868	1,660,234	1,527,957	6,011,850	203,548	14,582,188	8,366,790
Instruments, professional and scientific	68	799	2,365	-------	2,448	2,128,111	3,511,630	4,149,591	133,503	17,024,575	12,741,481
Ivory, sbell, and bone work, not including buttons, combs, or hairpins	5	6	29	-------	69	18,420	47,258	41,015	3,861	146,464	101,588
Jewelry	535	1,440	4,885	330	2,751	4,923,502	10,235,663	30,119,002	135,795	58,623,706	28,368,909
Jewelry and instrument cases	49	97	686	755	256,720	983,355	1,034,844	19,775	3,014,688	1,960,069	
Knit goods	407	1,495	10,874	1,660	5,317	4,707,773	14,541,218	45,598,850	506,848	86,833,975	40,728,277
Lapidary work [3]	71	76	288	-------	280	256,786	644,710	6,226,899	11,369	9,127,375	2,889,107
Lasts and related products [3]	5	31	194	-------	775	109,989	283,428	241,763	18,928	913,841	653,150
Leather: Tannted, curried, and finisbed	12	45	292	315	544	222,021	402,874	2,704,483	29,702	4,216,094	1,481,909
Lithographing	106	1,237	4,883	880	7,113	4,464,226	9,434,010	10,455,560	329,980	33,209,566	22,424,026
Lubricating oils and greases, not made in petroleum refineries	7	24	17	34	47	58,199	28,469	347,272	2,453	590,011	240,286
Macaroni, spaghetti, vermicelli, and noodles	68	165	1,122	564	5,126	477,177	1,466,338	6,484,982	261,415	11,722,791	4,976,394
Machine-tool accessories and small metal-working tools, not elsewhere classified	41	85	470	-------	697	280,350	787,929	294,029	26,716	2,004,544	1,683,799
Marble, granite, slate, and other stone products	174	667	3,447	492	21,952	2,677,354	9,195,314	7,468,909	441,371	25,164,880	17,254,600
Mattresses and bed spring, not alsewhera classified	151	268	1,201	55	1,912	747,117	2,067,820	6,405,645	73,115	12,166,081	5,687,321
Meat packing, wholesales	64	1,042	4,648	7,673	5,694	2,767,203	8,079,315	147,665,936	972,863	176,535,573	27,896,774
Minerals and earths, ground or otherwise treated	4	21	63	100	313	50,335	81,667	295,669	13,257	594,455	285,499
Mirror and picture frames [4]	55	178	790	-------	969	614,506	1,197,651	1,733,956	41,038	4,761,571	2,986,677
Mirrors, framed and unframed	66	238	1,057	160	1,113	644,807	1,840,617	2,866,686	76,789	6,861,146	3,917,671
Models and patterns, not including paper patterns	90	159	693	79	912	540,549	1,341,436	787,106	40,911	4,093,794	3,265,777
Motion pictures, not including projection in tbeaters [3]	30	1,155	1,695	264	2,586	6,184,643	3,649,261	9,279,944	181,519	43,871,940	34,410,477
Motor-vehicle bodies and motor-vebicle parts	93	371	2,049	15	5,015	1,253,121	3,386,429	4,046,212	187,412	10,926,647	6,693,023
Musical-instrument parts and materials: Piano and organ	12	85	483	510	762	244,511	562,821	494,189	37,952	1,953,979	1,421,838
Musical instruments and parts and materials, not elsewhere classified [5]	33	58	244	12	453	153,254	375,445	395,640	17,318	1,396,019	983,061
Nonferrous-metal alloys and products, not including aluminum products	153	1,027	3,916	6,502	5,633	3,222,580	6,490,768	18,847,228	375,437	39,185,010	19,962,345
Optical goods	31	134	630	-------	378	462,251	1,015,966	1,228,206	27,060	3,607,237	2,351,971
Paints and varnishes	134	1,234	3,582	6,361	12,889	4,773,832	5,486,730	44,681,988	688,543	74,363,173	28,992,642
Paper goods, not elsewhere classified	77	579	2,544	2,123	3,158	1,763,060	2,842,454	9,245,626	162,810	19,499,900	10,091,464
Patent or proprietary medicines and compounds	139	927	1,549	645	1,700	3,219,995	1,943,951	8,292,507	123,791	34,372,888	25,956,590
Pens, fountain and stylographic; pen points, gold, steel, and brass	30	151	656	12	606	407,097	879,527	2,141,705	22,762	4,416,999	2,252,532
Perfumes, cosmetics, and other toilet preparations	274	2,778	6,106	838	4,338	7,169,499	6,840,881	27,061,270	271,626	95,079,301	67,746,405
Photo-engraving, not done in printing establisbments	84	926	2,841	-------	1,360	3,419,181	8,669,342	2,304,246	244,470	18,505,126	15,956,410
Pipes (tobacco) [3]	12	177	938	200	1,383	418,294	1,187,623	1,004,069	44,032	3,261,909	2,213,808
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	188	699	3,067	6,160	13,719	2,482,910	5,934,295	11,954,991	299,745	26,587,481	14,332,745
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	23	97	444	160	896	292,287	656,883	1,539,473	59,842	3,272,091	1,672,776
Printing and publishing, book and job	2,000	10,984	25,431	43	30,782	31,324,980	52,245,944	49,672,314	1,760,205	237,431,400	185,998,881
Printing and publishing, music [3]	62	804	491	-------	515	2,535,088	844,479	884,875	20,888	9,818,115	8,912,352
Printing and publishing, newspaper and periodical	763	26,309	13,026	355	29,104	73,536,028	36,383,488	76,271,919	1,431,381	366,939,262	289,235,962
Printing materials, not including type or ink [3]	12	52	159	160	263	183,860	294,092	354,558	25,057	1,500,700	1,121,085
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	27	83	302	350	457	227,787	612,771	1,111,576	22,884	2,613,309	1,478,849
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint	5	19	18	-------	96	57,795	26,230	162,040	1,687	304,101	140,374
Rubber goods otber than tires, inner tubes, and boots and sboes	36	394	3,605	6,965	6,635	1,204,426	4,437,278	8,704,670	351,182	20,266,772	11,210,920
Sausage, meat puddings, beadcbeese, atc., and sausage casings, not made in meat-packing establishments	56	67	277	-------	1,171	207,773	508,389	4,824,039	74,924	6,540,826	1,641,863
Screw-machine products and wood screws	13	40	251	-------	683	195,443	436,757	654,715	33,798	2,329,613	1,641,100
Ship and boat building, steel and wooden, including repair work	48	929	9,139	1,410	55,767	2,685,108	16,968,622	10,351,692	712,503	38,917,960	27,853,765
Shirts	207	541	3,390	-------	845	1,517,436	4,111,411	26,473,377	83,150	49,313,687	22,757,160
Signs and advertising novelties	202	519	2,062	10	1,214	1,673,520	3,595,055	4,299,503	86,677	14,121,590	9,735,410
Silk and rayon manufactures	97	513	3,374	60	4,389	1,346,677	4,507,096	35,463,054	245,515	55,781,422	20,072,853
Soda-water apparatus [3]	17	53	127	-------	310	194,000	244,285	702,286	10,180	1,409,490	697,024
Sporting and athletic goods, not including firearms or ammunition	20	68	442	50	308	140,355	612,294	1,125,880	14,279	2,423,750	1,293,597
Stamped ware, enameled wara, and matal stamping, enameling, japanning, and lacquering	64	565	2,950	1,719	5,683	1,820,661	3,728,447	7,554,523	316,676	17,872,685	10,001,486
Stationery goods, not elsewhere classified	36	231	1,120	166	782	785,390	1,358,169	2,466,789	42,763	6,203,209	3,693,657
Statuary and art goods, factory product	31	85	479	-------	170	317,752	1,327,348	433,372	17,516	2,698,322	2,247,434
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	28	61	148	-------	519	345,597	238,763	1,018,451	19,814	2,113,370	1,075,105
Steam fittings and steam and bot-water beating apparatus	9	58	141	35	233	176,760	195,633	640,524	6,996	1,377,837	730,317
Stereotyping and electrotyping, not done in printing establishments [3]	37	317	1,267	145	4,112	1,160,135	3,220,051	1,139,191	230,392	7,841,969	6,472,386

See footnotes at end of tbis section, p. 380.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
NEW YORK CITY—Continued											
Stoves and ranges (other than electric) and warm-air furnaces	11	49	286	-------	324	*Dollars* 180,936	*Dollars* 413,183	*Dollars* 1,015,208	*Dollars* 24,293	*Dollars* 2,154,434	*Dollars* 1,114,933
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	255	1,123	4,418	569	9,615	3,859,283	8,524,388	15,172,640	290,392	36,354,215	20,891,183
Textile machinery and parts	9	15	83	-------	176	24,245	91,114	86,188	5,611	298,761	206,962
Theatrical scenery and stage equipment [5]	20	64	201	-------	318	320,028	404,935	801,127	11,580	2,297,033	1,484,326
Toys (not including children's wheel goods or sleds), games, and playground equipment	161	519	3,303	-------	1,436	1,405,107	4,307,841	8,783,966	174,749	19,883,715	10,925,000
Umbrellas, parasols, and canes [5]	92	131	816	1	436	362,816	1,004,477	4,875,794	29,475	7,595,839	2,690,570
Waste	6	9	54	120	123	34,022	52,198	224,447	8,333	456,699	223,917
Watch and clock materials and parts, except watch-cases	3	4	17	-------	5	14,250	23,086	30,282	220	97,250	66,748
Window and door screens and weather strip	29	49	124	5	312	149,313	210,689	434,816	13,605	1,059,430	611,009
Window shades and fixtures	101	101	436	-------	604	269,738	603,043	2,659,432	20,338	4,692,193	2,012,423
Wirework, not elsewhere classified	77	295	1,598	10	2,100	986,372	2,135,524	2,812,506	118,930	8,153,027	5,221,591
Wood turned and shaped and other wooden goods, not elsewhere classified	52	82	307	32	1,036	236,397	539,262	1,356,312	29,003	3,249,438	1,864,123
Other industries	3,063	19,561	95,409	140,868	132,554	53,524,304	139,915,235	522,133,541	27,751,561	919,813,286	369,928,184

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
The figures for a few establishments located outside New York City have been included with those for the city, as specified in footnotes 3, 4, 5, and 6, to avoid disclosing, exactly or approximately, the data reported by individual establishments.
[3] Includes data for 2 establishments located outside New York City.
[4] Includes data for 3 establishments located outside New York City.
[5] Includes data for 1 establishment located outside New York City.
[6] Includes data for 4 establishments located outside New York City.

ROCHESTER

[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 8 and 9), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	935	11,458	58,448	41,504	78,026	*Dollars* 31,088,460	*Dollars* 82,416,463	*Dollars* 136,636,599	*Dollars* 6,337,382	*Dollars* 380,701,393	*Dollars* 237,727,412
Beverages	15	25	68	90	226	52,225	108,887	174,729	30,213	506,150	301,208
Bookbinding and blank-book making	6	39	192	-------	163	162,118	258,921	319,954	7,232	922,885	595,699
Boot and shoe findings, not made in boot and shoe factories	4	12	137	-------	84	33,596	95,110	269,621	5,970	498,165	222,574
Boots and shoes, other than rubber	27	430	4,390	740	1,609	1,102,407	4,832,254	7,789,568	77,938	18,567,042	10,699,516
Boxes, paper, not elsewhere classified	19	152	1,186	485	440	480,214	1,283,833	1,906,189	39,583	4,665,445	2,719,673
Bread and other bakery products	123	91	1,033	11	1,636	159,310	1,577,895	3,684,592	173,058	7,640,114	3,782,464
Brooms	3	1	30	-------	23	(7)	31,340	89,352	1,510	151,800	60,938
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	8	199	712	195	2,155	466,347	763,095	4,930,145	64,288	8,379,469	3,385,036
Carbon paper and inked ribbons	7	104	197	200	301	383,717	302,587	1,453,558	20,225	2,946,809	1,473,026
Cigars and cigarettes	7	2	24	-------	4	(7)	18,934	19,459	402	63,703	43,842
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	39	888	10,647	700	1,468	2,864,183	12,929,871	21,595,500	138,763	47,724,512	25,990,249
Clothing, women's, not elsewhere classified	8	5	99	-------	19	17,580	78,570	172,492	1,642	367,497	193,363
Coffee and spice, roasting and grinding	5	13	54	-------	318	32,320	64,880	3,060,580	11,932	4,170,067	1,097,555
Concrete products	10	30	117	20	366	82,791	191,091	195,562	11,150	629,622	422,910
Confectionery	12	62	393	-------	440	182,383	351,942	806,572	27,112	1,773,103	939,419
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	11	35	177	-------	104	126,654	230,155	311,228	7,513	856,403	537,662
Cutlery (not including silver and plated cutlery) and edge tools	5	9	81	-------	620	22,684	100,783	122,568	6,260	340,496	211,668
Electrical machinery, apparatus, and supplies [8]	17	1,310	5,180	2,005	7,456	3,322,180	7,800,397	13,123,612	338,365	34,822,358	21,360,381
Electroplating	7	3	59	-------	124	8,502	89,537	28,119	2,969	192,499	161,411
Engraving, steel and copperplate, and plate printing	7	41	88	-------	49	80,757	100,754	182,161	2,590	619,771	435,020
Flavoring extracts and flavoring sirups	12	133	243	434	280	530,420	287,929	2,700,619	28,294	6,757,066	4,028,153
Foundry and machine-shop products, not elsewhere classified	62	733	3,289	3,630	6,940	1,967,885	5,048,499	6,137,776	436,813	22,537,586	15,962,997
Fur goods	5	9	69	-------	6	27,035	81,517	111,755	2,404	292,690	178,531
Furniture, including store and office fixtures [4]	33	286	1,723	1,620	2,328	1,060,793	2,941,154	3,469,791	118,579	9,914,582	6,326,212
Glass products (except mirrors) made from purchased glass	7	18	80	-------	38	30,327	93,193	100,544	5,022	412,180	306,614
Ice cream	15	28	54	150	301	92,726	117,839	471,925	25,254	1,183,160	685,981
Ice, manufactured [9]	7	30	60	600	3,750	81,535	114,951	24,691	94,140	655,803	536,972
Lithographing	6	103	746	1,660	795	500,652	1,151,434	1,200,422	63,256	3,864,623	2,600,945
Macaroni, spaghetti, vermicelli, and noodles	8	11	63	-------	201	20,347	59,660	418,692	20,211	686,639	247,736
Machine-tool accessories and small metal-working tools, not elsewhere classified	16	22	254	-------	305	95,168	556,745	116,504	15,751	1,163,184	1,030,929
Machine tools	6	453	1,671	1,000	3,702	1,164,720	2,834,091	2,159,985	115,928	11,438,814	9,162,901
Mattresses and bed springs, not elsewhere classified	4	18	62	-------	131	44,593	86,291	278,584	4,167	498,404	215,653
Mirrors, framed and unframed	3	1	12	40	17	(7)	20,100	52,500	893	97,792	44,399
Models and patterns, not including paper patterns	7	7	34	-------	57	16,697	49,814	14,142	1,810	137,586	121,634
Nonferrous-metal alloys and products, not including aluminum products	11	41	234	175	468	120,242	370,082	1,242,329	33,360	1,981,830	706,131
Optical goods	8	315	3,918	56	6,385	1,269,958	5,684,424	3,523,697	348,167	14,043,830	10,171,966
Paper goods, not elsewhere classified	6	56	49	150	262	67,863	67,373	268,550	10,132	540,047	261,365

See footnotes at end of this section, p. 381.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ROCHESTER—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Patent or proprietary medicines and compounds [8]	13	42	45	----	67	104,055	58,018	283,344	4,469	1,145,363	857,550
Photo-engraving, not done in printing establishments	5	19	79	----	72	83,130	236,519	37,945	5,264	541,248	498,039
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	15	79	410	1,776	1,056	259,780	669,363	750,775	45,158	1,923,595	1,127,662
Printing and publishing, book and job [8]	75	430	943	----	1,323	1,158,553	1,549,079	2,040,123	62,198	5,232,369	6,130,248
Printing and publishing, newspaper and periodical	16	716	483	----	1,381	1,404,934	1,192,017	1,491,263	52,853	7,641,404	6,097,288
Pumps (hand and power) and pumping equipment	5	48	115	45	695	130,013	123,863	354,076	9,629	800,272	436,567
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	11	5	50	60	434	16,040	73,479	1,072,142	28,979	1,342,384	241,263
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	6	154	639	----	1,226	350,651	749,516	1,326,904	39,014	3,604,257	2,238,339
Stationery goods, not elsewhere classified	3	3	24	----	32	6,450	22,550	16,900	1,115	88,154	70,139
Stereotyping and electrotyping, not done in printing establishments	4	15	27	----	202	54,483	54,196	21,534	6,899	206,060	177,627
Stoves and ranges (other than electric) and warm-air furnaces	5	66	314	300	1,111	200,155	406,692	330,721	45,395	1,223,253	847,137
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	7	67	256	185	911	227,821	438,107	972,644	17,610	2,021,188	1,030,934
Wirework, not elsewhere classified	3	12	33	----	31	29,154	46,722	37,239	1,912	163,999	124,848
Wood turned and shaped and other wooden goods, not elsewhere classified	4	3	13	----	72	17,680	21,845	53,557	2,002	112,939	57,380
Other industries	213	4,045	17,694	25,477	21,126	10,392,222	26,079,018	45,466,999	3,731,410	139,939,996	90,741,587

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[7] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

The figures for a few establishments located outside Rochester have been included with those for the city, as specified in footnotes 8 and 9, to avoid disclosing, exactly or approximately, the data reported by individual establishments.

[8] Includes data for 1 establishment located outside Rochester.

[9] Includes data for 2 establishments located outside Rochester.

SCHENECTADY

[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industries—namely, "Electrical machinery, apparatus, and supplies" and "Locomotives, not made in railroad repair shops"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	114	4,727	25,366	57,181	117,130	*Dollars* 10,315,704	*Dollars* 43,410,388	*Dollars* 83,346,370	*Dollars* 3,187,076	*Dollars* 167,146,411	*Dollars* 80,612,965

SYRACUSE

[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 11 and 12), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	445	5,077	26,486	11,835	70,217	*Dollars* 13,162,587	*Dollars* 39,151,879	*Dollars* 73,747,512	*Dollars* 3,898,500	*Dollars* 181,798,450	*Dollars* 104,152,438
Awnings, tents, sails, and canvas covers	4	2	31	12	13	[10]	32,511	53,504	2,455	127,002	71,043
Beverages [11]	10	21	51	1,060	117	46,029	72,509	150,613	26,982	483,732	306,137
Boxes, paper, not elsewhere classified	8	35	301	100	304	123,614	284,037	760,035	16,475	1,467,232	690,722
Bread and other bakery products	57	93	902	114	1,577	204,986	1,370,918	3,143,207	162,445	7,080,667	3,775,015
Candles	6	92	434	1,375	255	256,992	501,821	1,851,867	49,291	3,850,992	1,949,834
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	3	4	8	20	7	5,800	4,224	24,515	318	47,763	22,930
Cigars and cigarettes	7	13	90	----	20	31,266	69,298	103,817	1,687	254,584	149,080
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	15	88	1,211	----	166	219,570	1,575,526	1,700,619	23,140	4,109,121	2,385,362
Coffee and spice, roasting and grinding	5	4	18	----	63	19,075	20,933	298,601	4,128	451,241	148,512
Confectionery	6	14	101	----	227	52,520	94,358	339,916	10,371	576,571	226,284
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	6	46	----	31	16,380	24,480	51,300	1,290	133,200	80,610
Druggists' preparations [11]	7	36	32	----	52	117,846	37,347	121,124	3,018	386,569	262,427
Foundry and machine-shop products, not elsewhere classified	41	554	2,482	780	7,390	1,345,426	3,694,664	4,281,466	282,269	16,060,977	11,497,242
Furniture, including store and office fixtures [12]	9	71	622	360	868	269,989	960,960	1,083,182	36,123	2,947,806	1,828,501
Ice cream	6	48	132	----	559	131,415	198,733	637,888	12,497	1,470,485	820,100
Ice, manufactured	3	20	42	210	2,701	57,492	86,458	36,387	81,612	450,888	332,889
Knit goods	3	13	60	----	56	27,718	34,458	137,028	2,081	286,379	147,270
Machine-tool accessories and small metal-working tools, not elsewhere classified	9	27	180	75	284	130,833	337,124	97,124	12,025	831,850	722,701
Meat packing, wholesale [11]	5	13	51	5	499	29,074	116,453	962,641	19,055	1,219,644	237,948
Models and patterns, not including paper patterns	5	9	29	----	45	18,590	61,411	16,044	3,326	160,778	141,408
Motor-vehicle bodies and motor-vehicle parts	8	577	3,370	425	19,315	1,683,178	5,529,778	10,792,196	458,514	23,811,664	12,560,954

See footnotes at end of this section, p. 382.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
SYRACUSE—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Patent or proprietary medicines and compounds [11]	5	18	9	--------	33	30,942	8,379	58,208	953	175,796	116,635
Photo-engraving, not done in printing establishments	4	13	46	--------	15	36,141	108,344	31,679	2,785	286,826	252,362
Planing-mill products (including general millwork), not made in planing mills connected with sawmills [11]	9	16	88	350	559	23,864	145,275	202,801	11,599	462,346	247,946
Printing and publishing, book and job [12]	45	78	306	--------	424	186,398	473,054	393,560	22,174	1,581,930	1,166,199
Printing and publishing, newspaper and periodical	10	629	415	--------	945	1,305,277	925,483	1,175,361	46,086	5,801,543	4,580,096
Structural and ornamental iron and steel work not made in plants operated in connection with rolling mills [11]	7	62	153	--------	1,232	189,114	254,910	659,264	19,944	1,374,866	695,658
Wirework, not elsewhere classified	3	3	10	--------	15	4,176	10,663	7,555	718	33,199	24,926
Other industries	152	2,532	15,385	7,004	32,773	6,638,710	22,298,282	44,716,831	2,596,443	106,416,886	59,103,612

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[10] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

The figures for a few establishments located outside Syracuse have been included with those for the city, as specified in footnotes 11 and 12, to avoid disclosing the data reported by individual establishments.

[11] Includes data for 1 establishment located outside Syracuse.

[12] Includes data for 2 establishments located outside Syracuse.

UTICA

All industries, total	216	1,782	13,195	17,126	34,490	*Dollars* 4,335,843	*Dollars* 14,319,579	*Dollars* 29,155,819	*Dollars* 2,214,760	*Dollars* 65,186,803	*Dollars* 33,816,224
Beverages	9	31	97	553	343	83,497	106,111	386,362	33,529	1,016,559	596,668
Boxes, paper, not elsewhere classified	3	10	130	--------	368	26,507	111,721	228,442	9,476	459,846	221,928
Bread and other bakery products	35	37	293	--------	566	79,662	429,512	924,228	44,001	2,203,047	1,234,818
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	9	178	880	50	236	378,092	974,567	1,736,728	27,233	4,050,692	2,286,731
Concrete products	3	2	5	--------	20	(13)	7,142	8,721	379	46,394	37,294
Foundry and machine-shop products, not elsewhere classified	10	78	384	135	808	199,940	570,524	988,566	56,103	2,270,497	1,225,828
Ice cream [14]	6	27	71	6	446	55,585	101,183	514,113	18,975	1,098,726	565,636
Knit goods	13	280	4,397	5,155	4,480	782,528	3,318,732	7,317,863	259,151	14,003,656	6,426,642
Printing and publishing, book and job	18	22	95	--------	217	46,521	143,665	190,359	6,083	569,214	372,767
Printing and publishing, newspaper and periodical	8	189	209	--------	426	327,370	381,016	324,596	16,898	1,859,109	1,517,615
Other industries [15]	102	928	6,634	11,227	26,580	2,356,141	8,175,406	16,535,839	1,742,927	37,609,063	19,330,297

[13] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[14] The figures for the "Ice cream" industry include data for 1 establishment located outside the city, to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.

[15] See footnote 14.

YONKERS

[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Carpets and rugs, wool, other than rag," as measured by number of wage earners, and "Sugar refining, cane," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	141	1,465	13,127	19,131	12,311	*Dollars* 3,880,270	*Dollars* 17,283,517	*Dollars* 71,317,461	*Dollars* 1,848,294	*Dollars* 113,536,679	*Dollars* 40,370,924

NORTH CAROLINA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	3,797	209,826	839,945	317,739	522,206	$160,867,988	$618,911,690	$596,046,728	$22,864,962	$1,311,924,352	$693,012,662
1927	2,984	204,590	810,798	305,624	505,174	158,394,434	560,819,236	538,121,136	22,698,100	1,154,646,612	593,827,376
1925	2,614	182,234	666,861	294,483	372,378	134,237,097	550,706,965	(4)	(4)	1,050,434,117	499,727,152
1923	2,670	173,687	606,397	288,250	318,147	127,537,821	516,148,642	(4)	(4)	951,910,599	435,761,957
1921	2,602	135,833	(5)	(5)	(5)	94,234,837	379,964,936	(4)	(4)	665,117,738	285,152,802
1919	5,999	157,659	549,808	352,424	197,384	126,680,099	526,906,181	512,989,300	13,916,881	943,807,949	416,901,768
1914	5,507	136,844	506,352	377,692	128,660	46,038,447	169,941,971	163,706,300	6,235,671	289,411,987	119,470,016
1909	4,931	121,473	377,305	317,261	60,044	34,354,625	121,861,530	117,592,442	4,269,088	216,656,055	94,794,525
1904	3,272	85,339	216,120	213,697	2,423	21,375,294	79,268,004	76,846,912	2,421,092	142,520,776	63,252,772
1899	3,465	72,322	153,851	152,957	894	14,051,784	44,854,224	(5)	(5)	85,274,083	40,419,859
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	27.2	2.6	3.6	4.0	3.4	1.6	10.4	10.8	0.7	13.6	16.7
1925–1927	14.2	12.3	21.6	3.8	35.7	18.0	1.8			9.9	18.8
1923–1925	−2.1	4.9	10.0	2.2	17.0	5.3	6.7			10.4	14.7
1921–1923	2.6	27.9				35.3	35.8			43.1	52.8
1919–1921	−56.6	−13.8				−25.6	−27.9			−29.5	−31.6
1919–1929	−36.7	33.1	52.8	−9.8	164.6	27.0	17.5	16.2	64.3	39.0	66.2
1909–1919	21.7	29.8	45.7	11.1	228.7	268.7	332.4	336.2	226.0	335.6	339.8
1899–1909	42.3	68.0	145.2	107.4	6,616.3	144.5	171.7			154.1	134.5

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	3,170,276	3,797	209,826	839,945	$160,867,988	$618,911,690	$596,046,728	$22,864,962	$1,311,924,352	$693,012,662
Counties [3]										
Alamance	42,140	126	6,992	15,483	5,617,733	13,391,862	12,930,966	460,896	27,229,186	13,837,324
Alexander	12,922	20	376	1,995	234,876	897,065	842,564	54,501	1,409,665	512,600
Alleghany	7,186	10	28	156	16,470	17,315	17,315		52,000	34,685
Anson	29,349	20	871	4,103	624,695	2,124,515	2,022,317	102,198	3,631,774	1,507,259
Ashe	21,019	20	64	380	36,965	101,281	101,281		208,626	107,345
Avery	11,803	11	107	502	72,563	80,062	76,068	3,994	284,856	204,794
Beaufort	35,026	39	1,200	4,538	886,972	1,888,756	1,852,556	36,200	4,090,589	2,201,833
Bertie	25,844	16	300	1,676	234,688	324,732	300,723	24,009	997,367	672,635
Bladen	22,389	49	1,122	9,133	653,843	2,218,549	2,162,395	56,154	3,559,333	1,340,784
Brunswick	15,818	13	463	3,339	364,801	1,627,226	1,574,113	53,113	2,589,828	962,602
Buncombe	97,937	74	3,614	22,123	3,473,642	8,934,731	8,498,432	436,299	16,689,917	7,755,186
Burke	29,410	36	3,065	8,362	2,354,350	9,058,093	8,833,593	224,500	14,783,985	5,725,892
Cabarrus	44,331	42	10,481	32,209	7,107,694	18,656,421	17,562,220	1,094,201	30,351,926	11,695,505
Caldwell	28,016	60	4,150	17,100	2,820,535	11,205,917	10,748,092	457,825	17,345,835	6,139,918
Carteret	16,900	24	184	2,015	155,810	422,064	366,120	55,944	1,041,323	619,259
Caswell	18,214	23	95	719	64,342	61,960	61,960		188,187	126,227
Catawba	43,991	106	5,963	16,187	4,113,999	12,980,098	12,527,371	452,727	21,742,515	8,762,417
Chatham	24,177	63	971	5,500	633,513	2,235,586	2,109,160	126,426	3,693,667	1,458,081
Cherokee	16,151	15	333	1,872	232,674	1,100,035	1,042,909	57,126	1,653,427	553,392
Chowan	11,282	13	566	2,609	293,833	2,303,762	2,260,584	43,178	3,206,075	902,313
Clay	5,434	10	37	210	25,689	39,497	39,247	250	92,397	52,900
Cleveland	51,914	45	4,604	15,590	3,514,150	11,690,840	11,135,131	555,709	18,885,572	7,194,732
Columbus	37,720	36	1,699	5,126	1,240,682	1,273,554	1,209,079	64,475	3,720,013	2,446,459
Craven	30,665	38	1,898	7,480	1,345,927	1,975,198	1,898,259	76,939	4,831,388	2,856,190
Cumberland	45,219	58	2,545	10,225	1,501,652	4,545,730	4,302,322	243,408	8,310,966	3,765,236
Dare	5,202	4	16	222	12,780	7,404	7,404		40,250	32,846
Davidson	47,865	89	6,387	20,006	4,937,136	14,185,551	13,671,771	513,780	23,471,396	9,285,845
Duplin	35,103	17	446	2,474	304,422	176,996	176,996		786,929	609,933
Durham	67,196	85	7,365	30,255	6,089,384	41,762,403	41,196,556	565,847	138,224,445	96,462,042
Edgecombe	47,894	56	2,495	12,118	2,505,262	7,118,774	6,818,816	299,958	11,121,999	4,003,225
Forsyth	111,681	116	18,405	31,157	14,969,972	104,882,178	104,039,375	842,803	305,914,870	201,032,692
Franklin	29,456	31	560	2,688	388,931	1,367,562	1,325,722	41,840	2,128,033	760,471
Gaston [4]	78,093	136	18,444	80,238	12,743,568	40,639,658	37,575,155	3,064,503	69,083,052	28,443,394
Gates	10,551	7	202	390	123,663	88,167	88,167		260,577	172,410
Graham	5,841	8	288	385	297,262	273,321	273,321		856,112	582,791
Granville	28,723	30	449	2,012	339,984	851,757	816,627	35,130	1,539,381	687,624
Greene	18,656	3	27	90	11,400	9,330	9,330		39,120	29,790
Guilford [4]	133,010	235	19,269	56,756	16,431,302	56,070,058	54,540,858	1,529,200	96,728,261	40,658,203
Halifax	53,246	45	3,479	23,647	2,780,709	7,868,810	7,346,834	521,976	15,160,700	7,291,890
Harnett	37,911	39	1,774	8,866	1,206,708	5,301,949	5,109,701	192,248	8,153,733	2,851,784

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [3]—Continued										
Haywood	28,273	25	2,066	29,336	$2,340,641	$7,562,254	$6,589,022	$973,232	$13,597,919	$6,035,665
Henderson	23,404	21	989	4,691	588,865	1,472,894	1,338,417	134,477	2,728,772	1,255,878
Hertford	17,542	13	249	801	166,962	266,279	265,044	1,235	551,536	285,257
Hoke	14,244	9	138	1,189	78,560	601,618	584,072	17,546	743,921	142,303
Iredell	46,693	83	3,967	15,859	2,861,989	10,497,986	10,058,095	439,891	17,574,125	7,076,139
Jackson	17,519	23	839	4,350	697,630	2,285,854	2,084,176	201,678	4,052,281	1,766,427
Johnston	57,621	47	1,277	7,398	742,177	3,579,216	3,410,525	168,691	5,366,073	1,786,857
Jones	10,428	5	168	440	92,113	166,004	165,524	480	322,871	156,867
Lee	16,996	38	681	4,145	495,622	1,658,837	1,436,747	222,090	2,668,790	1,009,953
Lenoir	35,716	27	556	2,457	349,382	1,261,078	1,203,178	57,900	2,375,482	1,114,404
Lincoln	22,872	33	1,662	8,119	1,090,402	3,016,822	2,812,554	204,258	5,707,554	2,690,732
McDowell	20,336	28	2,334	9,117	1,504,413	5,841,981	5,630,795	211,186	9,268,463	3,426,482
Macon	13,672	10	177	607	211,282	184,114	178,668	5,446	724,474	540,360
Madison	20,306	13	136	340	81,984	117,382	117,082	300	275,641	158,259
Martin	23,400	10	120	673	63,555	470,552	467,329	3,223	687,596	217,044
Mecklenburg [4]	127,971	174	9,299	36,637	8,735,340	41,195,974	39,954,186	1,241,788	69,816,633	28,620,659
Mitchell	13,962	16	168	1,135	121,665	290,487	268,198	22,289	751,209	460,722
Montgomery	16,218	35	751	4,211	517,128	1,670,466	1,584,627	85,839	3,020,294	1,349,828
Moore	28,215	60	552	2,975	350,169	735,239	690,362	44,877	1,461,045	725,806
Nash	52,782	23	681	6,910	551,383	2,689,402	2,631,352	58,050	5,304,981	2,615,579
New Hanover	43,010	58	2,296	10,196	1,906,841	6,126,535	5,923,668	202,867	10,728,438	4,601,903
Northampton	27,161	23	229	780	149,071	184,745	182,259	2,486	465,850	281,105
Onslow	15,289	9	90	646	66,906	86,025	86,025		237,775	151,750
Orange	21,171	21	919	5,728	556,666	1,301,613	1,193,118	108,495	2,268,242	966,629
Pamlico	9,299	12	121	641	80,213	156,610	154,910	1,700	353,917	197,307
Pasquotank	19,143	34	1,441	4,729	1,017,207	2,349,367	2,261,655	87,712	4,827,715	2,478,348
Pender	15,686	22	260	1,278	148,549	222,817	222,402	415	501,947	279,130
Perquimans	10,668	5	243	1,428	162,483	713,246	695,648	17,598	1,330,950	617,704
Person	22,039	14	970	3,579	581,783	3,267,935	3,157,542	110,393	5,166,645	1,898,710
Pitt	54,466	33	481	2,949	385,728	1,633,296	1,570,987	62,249	2,633,036	999,800
Polk	10,216	18	248	1,373	181,409	934,388	916,846	17,542	1,391,813	457,425
Randolph	36,259	97	3,222	11,494	2,155,565	7,006,492	6,810,465	196,027	11,674,836	4,668,344
Richmond	34,016	50	2,981	17,652	2,191,246	5,537,899	5,139,113	398,786	9,682,753	4,144,854
Robeson	66,512	43	2,052	10,809	1,187,103	4,043,629	3,806,238	237,391	6,315,043	2,271,414
Rockingham	51,083	54	6,710	26,102	5,311,578	35,420,710	34,997,368	423,342	113,995,538	78,574,828
Rowan	56,665	71	5,217	19,192	5,323,514	11,684,315	11,007,916	676,399	21,081,803	9,397,488
Rutherford	40,452	33	4,037	19,783	2,953,019	10,154,184	9,633,741	520,443	16,433,739	6,279,555
Sampson	40,082	45	353	1,829	198,767	357,181	346,480	10,701	762,804	405,623
Scotland	20,174	25	1,107	6,998	638,193	4,070,303	3,875,501	194,802	5,534,534	1,464,231
Stanly	30,216	36	3,556	24,682	2,478,731	12,138,906	10,286,158	1,852,748	23,020,414	10,881,508
Stokes	22,290	15	110	1,128	108,140	255,324	193,294	62,030	515,980	260,656
Surry	39,749	52	2,588	7,337	1,928,586	4,634,580	4,521,659	112,921	9,298,226	4,663,646
Swain	11,568	8	130	421	99,178	75,614	67,785	7,829	313,568	237,954
Transylvania	9,589	11	733	2,435	523,232	1,974,819	1,910,577	64,242	3,010,145	1,035,326
Union	40,979	52	1,290	5,910	804,964	3,109,262	2,944,758	164,504	4,708,131	1,598,869
Vance	27,294	21	2,088	9,048	1,149,960	5,349,483	5,140,942	208,541	8,208,209	2,858,726
Wake	94,757	88	2,060	8,215	1,873,185	4,524,289	4,261,854	262,435	8,857,335	4,333,046
Warren	23,264	30	393	1,836	240,068	794,232	760,040	34,192	1,221,005	426,773
Washington	11,603	11	525	1,376	408,618	488,855	480,894	7,961	1,378,874	890,019
Watauga	15,165	22	111	452	75,911	96,579	94,149	2,430	274,928	178,349
Wayne	53,013	47	1,571	7,564	1,253,766	3,928,669	3,750,870	177,799	7,008,920	3,080,251
Wilkes	36,162	77	1,811	8,936	1,110,607	5,148,310	5,055,747	92,563	8,150,577	3,002,267
Wilson	44,914	35	663	5,360	556,171	3,479,055	3,385,475	93,580	5,464,275	1,985,220
Yadkin	18,010	34	122	1,032	71,377	203,625	199,803	3,822	392,684	189,059
Yancey	14,486	8	46	208	28,725	35,300	35,300		85,580	50,280
All other counties [5]	40,271	22	908	5,493	616,147	2,100,352	2,034,168	66,184	3,529,188	1,428,836
Cities having 10,000 inhabitants or more [6]										
Asheville	50,193	46	983	4,944	1,131,175	4,199,092	4,005,602	193,490	7,998,480	3,799,388
Charlotte	82,675	143	6,664	24,169	6,783,973	34,346,517	33,516,998	829,519	57,955,679	23,609,162
Durham	52,037	62	7,172	29,146	5,974,348	41,464,857	40,910,260	554,597	137,645,909	96,181,052
Elizabeth City	10,037	19	373	2,118	308,025	651,977	617,708	34,269	1,387,148	735,171
Fayetteville	13,049	33	1,288	5,878	802,073	3,057,867	2,926,912	130,955	5,463,762	2,405,895
Gastonia	17,093	53	4,850	20,447	3,517,817	10,304,491	9,509,218	795,273	18,605,132	8,300,641
Goldsboro	14,985	26	1,119	5,188	949,649	2,769,075	2,680,788	88,287	5,126,072	2,356,997
Greensboro	53,569	92	6,811	28,790	5,665,076	23,249,939	22,563,111	686,828	38,782,076	15,532,137
High Point	36,745	111	11,041	19,798	9,748,690	29,356,866	28,784,842	602,024	52,185,880	22,799,014
Kinston	11,362	19	516	2,045	323,930	1,197,473	1,142,744	54,729	2,225,285	1,027,812
New Bern	11,981	29	1,551	5,966	1,128,731	1,713,046	1,643,249	69,797	4,016,632	2,303,586
Raleigh	37,379	46	1,319	4,349	1,411,680	2,435,017	2,232,116	202,901	6,009,272	3,574,255
Rocky Mount	21,412	43	2,117	13,333	2,421,957	7,027,264	6,816,352	210,912	12,143,859	5,116,595
Salisbury	16,951	40	1,562	7,307	1,291,680	4,139,069	3,890,430	248,639	7,353,787	3,214,718
Shelby	10,789	22	1,731	6,033	1,419,005	5,277,321	5,062,710	214,611	8,215,143	2,937,822
Statesville	10,490	40	1,876	6,570	1,372,629	6,552,557	6,325,064	227,493	10,585,148	4,032,591
Thomasville	10,090	24	2,982	7,488	2,422,952	6,843,497	6,644,727	198,770	11,360,615	4,517,118
Wilmington	32,270	41	1,397	5,729	1,234,713	3,453,112	3,326,402	126,710	6,583,793	3,130,681
Wilson	12,613	30	633	5,069	533,703	3,385,815	3,294,335	91,480	5,283,469	1,897,654
Winston-Salem	75,274	88	17,348	27,357	14,199,489	102,152,542	101,395,318	757,224	301,524,926	199,372,384

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.

[4] For statistics by industries for this county, see Table 13.

[5] Currituck, Davie, Hyde, and Tyrrell Counties. (See footnote 3.) No manufacturing was reported from Camden County.

[6] Not including Concord which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for this city from separate publication to avoid disclosing approximations of the data for individual establishments located outside the city but within Cabarrus County.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	228,959	161,961	66,998	2,534	2,506	28	[2] 2,345	[2] 2,264	[2] 81	[2] 14,254	[2] 12,181	[2] 2,073	209,826	[3] 145,010	[3] 64,816
1919 [1,4]	175,423	132,394	43,029	6,076	6,019	57	2,153	2,111	42	9,535	7,873	1,662	157,659	116,391	41,268
1914 [4]	151,335	118,974	32,361	5,950	5,889	61	1,637	1,613	24	6,904	6,058	846	136,844	105,414	31,430
1909	133,453	105,175	28,278	5,451	5,395	56	1,460	1,456	4	5,069	4,537	532	121,473	93,787	27,686

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 76; male, 73; female, 3; other salaried officers and employees—total, 435; male, 369; female, 126. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	209,826	206,624	208,711	211,452	212,637	209,695	208,061	*206,009*	208,797	211,828	**213,259**	212,083	208,756	96.6
1919 [1]	157,659	157,470	154,933	156,407	155,349	148,683	*147,953*	150,453	152,597	159,740	167,146	168,665	**172,512**	85.8
1914 [1]	136,844	138,553	138,731	**141,491**	140,511	139,150	137,182	136,775	135,011	134,465	133,804	133,544	*132,911*	93.9
1909 [1]	121,473	*117,007*	118,464	120,354	120,038	118,441	117,713	118,953	120,417	123,496	126,265	127,774	**128,754**	90.9

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	3,797	209,826	45 and over but under 48	54	2,380
			48	209	17,444
Not reported	1,207	4,807	Over 48 but under 54	267	15,477
Under 40	46	724	54	92	2,269
40	48	2,569	Over 54 but under 60	1,033	121,605
Over 40 but under 44	10	308	60 and over	739	41,193
44 and over but under 45	92	1,050			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	3,797	5,999	4,931	209,826	157,659	121,473	51 to 100	249	234	239	18,546	17,129	16,963
							101 to 250	322	252	168	52,602	39,865	25,242
No wage earners	35	353	171				251 to 500	117	58	64	40,990	19,329	21,771
1 to 5	1,912	3,488	2,496	7,071	8,474	6,244	501 to 1,000	40	27	16	25,890	19,289	10,695
6 to 20	714	1,204	1,356	8,306	12,452	14,783	1,001 to 2,500	21	13	6	25,658	28,909	12,450
21 to 50	384	370	415	12,960	12,212	13,325	2,501 and over	3			17,803		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	3,797	5,999	4,931	209,826	157,659	121,473	$1,311,924,352	$943,807,949	$216,656,055	$693,012,662	$416,901,768	$94,794,525
Less than $5,000	(2)	1,606	2,322	(2)	2,024	6,970	(2)	4,277,373	5,151,695	(2)	3,097,500	3,432,538
$5,000 to $19,999	1,678	2,178	1,358	6,556	8,478	11,902	15,529,424	22,893,804	13,690,273	9,812,039	15,198,760	7,799,055
$20,000 to $99,999	944	1,295	820	11,102	14,465	24,074	74,961,193	56,696,285	37,172,248	53,715,928	28,360,505	16,594,882
$20,000 to $49,999	560	(3)	(3)	5,030	(3)	(3)	17,835,457	(3)	(3)	9,807,130	(3)	(3)
$50,000 to $99,999	384	(3)	(3)	6,072	(3)	(3)	57,125,736	(3)	(3)	43,908,798	(3)	(3)
$100,000 to $499,999	752	584	409	46,859	33,265	57,932	185,797,588	142,030,821	101,973,523	81,699,688	58,947,068	37,902,430
$100,000 to $249,999	433	(3)		17,579	(3)		71,051,025	(3)		33,298,762	(3)	
$250,000 to $499,999	319	(3)		29,280	(3)		114,746,563	(3)		48,400,926	(3)	
$500,000 to $999,999	244	192		41,828	29,584		171,325,614	136,343,787		70,187,649	55,550,198	
$1,000,000 and over	179	144	22	103,481	69,843	20,595	864,310,531	581,565,879	58,668,316	477,597,358	255,747,737	29,065,620
$1,000,000 to $2,499,999	128	(2)	(2)	46,873	(3)	(3)	186,050,359	(3)	(3)	75,144,460	(3)	(3)
$2,500,000 to $4,999,999	33	(3)	(3)	22,231	(3)	(3)	114,376,066	(3)	(3)	44,211,923	(3)	(3)
$5,000,000 and over	18	(3)	(3)	34,377	(3)	(3)	563,884,106	(3)	(3)	358,240,975	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	3,797	5,999	209,826	157,659	$1,311,924,352	$943,807,949	$693,012,662	$416,901,768
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,673	1,608	190,024	135,350	1,240,867,498	853,423,735	657,783,562	371,801,643
Other forms of ownership or control (individual, partnership, etc.)	2,124	4,391	19,802	22,309	71,056,854	90,384,214	35,229,100	45,100,125
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	480	(1)	84,173	(1)	819,502,594	(1)	478,396,417	(1)
Independent (single-unit)	3,317	(1)	125,653	(1)	492,421,758	(1)	214,616,245	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	839,945	317,739	2,288	183,202	117	90,252	277	9,753	271	34,532	79,510	522,206	16,016	100,202
1927	810,798	305,624	1,739	205,752	96	54,463	240	9,982	241	35,427	66,095	505,174	8,028	61,423
1925	666,861	294,483	1,928	202,569	86	46,419	181	6,958	225	38,537	49,833	372,378	8,611	82,037
1919 [1]	549,808	352,424	4,425	277,402	77	25,840	406	6,556	548	42,626	16,339	197,384	5,448	63,162
1914 [1]	506,352	377,692	[2] 4,929	[2] 331,132	(3)	(3)	492	5,379	523	41,181	4,702	128,660	2,037	34,501
Counties in which aggregate horsepower exceeded 25,000: 1929														
Cabarrus	32,209	3,491	7	145	2	3,346					8,727	28,718	1,193	2,600
Durham	30,255	18,368	38	4,876	16	13,142	3	80	5	270	1,978	11,887	1,087	4,991
Forsyth	31,157	17,159	73	9,029	14	7,543	8	357	6	230	1,734	13,998	1,940	11,799
Gaston	80,238	2,488	32	[4] 1,115	2	28	1	(4)	9	1,345	9,793	77,750	380	452
Guilford	56,756	20,295	81	6,415	6	12,558	4	507	8	815	8,715	36,461	4,649	12,337
Haywood	29,336	25,533	25	7,920	5	17,415	4	65	4	133	175	3,803	639	21,050
Mecklenburg	36,637	8,329	26	4,516	6	3,755	3	58			2,728	28,308	244	1,295
Rockingham	26,102	9,127	17	[4] 2,220	5	4,282	1	(4)	9	2,625	3,609	16,975	604	3,927

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufacturers.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	839,945	317,739	522,206	100,202
Alamance	15,483	5,937	9,546	2,358
Alexander	1,995	702	1,293	----------
Alleghany	156	156	----------	----------
Anson	4,103	997	3,106	65
Ashe	380	358	22	----------
Avery	502	417	85	(2)
Beaufort	4,538	3,555	983	----------
Bertie	1,676	1,148	528	(2)
Bladen	9,133	6,626	2,507	298
Brunswick	3,339	1,500	1,839	----------
Buncombe	22,123	10,858	11,265	7,411
Burke	8,362	1,479	6,883	----------
Cabarrus	32,209	3,491	28,718	2,600
Caldwell	17,100	2,688	14,412	1,475
Carteret	2,015	1,934	81	----------
Caswell	719	715	4	----------
Catawba	16,187	4,211	11,976	829
Chatham	5,500	3,465	2,035	----------
Cherokee	1,872	1,331	541	11
Chowan	2,609	1,635	974	642
Clay	210	203	7	----------
Cleveland	15,590	3,454	11,936	650
Columbus	5,126	4,267	859	----------
Craven	7,480	5,665	1,815	315
Cumberland	10,225	5,023	5,202	1,700
Dare	222	222	----------	----------
Davidson	20,006	8,480	11,526	3,440
Duplin	2,474	2,460	14	300
Durham	30,255	18,368	11,887	4,991
Edgecombe	12,118	3,842	8,276	(2)
Forsyth	31,157	17,159	13,998	11,799
Franklin	2,688	1,300	1,388	----------
Gaston	80,238	2,488	77,750	452
Gates	390	390	----------	----------
Graham	385	385	----------	----------
Granville	2,012	1,020	992	----------
Greene	90	90	----------	----------
Guilford	56,756	20,295	36,461	12,337
Halifax	23,647	9,012	14,635	480
Harnett	8,866	1,991	6,875	----------
Haywood	29,336	25,533	3,803	21,050
Henderson	4,691	2,045	2,646	968
Hertford	801	777	24	67
Hoke	1,189	735	454	----------
Iredell	15,859	3,989	11,870	1,975
Jackson	4,350	3,500	850	2,155
Johnston	7,398	1,867	5,531	(2)
Jones	440	[3] 440	(2)	140
Lee	4,145	1,609	2,536	----------
Lenoir	2,457	1,759	698	22
Lincoln	8,119	3,922	4,197	25
McDowell	9,117	5,728	3,389	1,080
Macon	607	563	44	----------
Madison	340	313	27	----------
Martin	673	431	242	----------
Mecklenburg	36,637	8,329	28,308	1,295
Mitchell	1,135	803	332	----------
Montgomery	4,211	2,017	2,194	----------
Moore	2,975	1,463	1,512	----------
Nash	6,910	5,485	1,425	2,068
New Hanover	10,196	2,512	7,684	100
Northampton	780	766	14	----------
Onslow	646	[4] 646	(2)	----------
Orange	5,728	1,700	4,028	----------
Pamlico	641	635	6	----------
Pasquotank	4,729	2,095	2,634	400
Pender	1,278	1,257	21	30
Perquimans	1,428	1,235	193	120
Person	3,579	125	3,454	----------
Pitt	2,949	2,543	406	140
Polk	1,373	1,005	368	----------
Randolph	11,494	7,356	4,138	2,125
Richmond	17,652	4,450	13,202	165
Roheson	10,809	2,257	8,552	----------
Rockingham	26,102	9,127	16,975	3,927
Rowan	19,192	2,167	17,025	1,441
Rutherford	19,783	7,417	12,366	745
Sampson	1,829	1,251	578	----------
Scotland	6,998	749	6,249	----------
Stanly	24,682	3,634	21,048	----------
Stokes	1,128	275	853	----------
Surry	7,337	4,200	3,137	2,380
Swain	421	312	109	----------
Transylvania	2,435	2,429	6	430
Union	5,910	2,178	3,732	80
Vance	9,048	1,807	7,241	310
Wake	8,215	2,564	5,651	212
Warren	1,836	1,403	433	----------
Washington	1,376	1,340	36	276
Watauga	452	344	108	----------
Wayne	7,564	2,686	4,878	1,158
Wilkes	8,936	6,480	2,456	1,884
Wilson	5,360	2,908	2,452	882
Yadkin	1,032	987	45	----------
Yancey	208	208	----------	----------
All other counties	5,493	3,866	1,627	300

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately to avoid disclosing data for a single establishment.
[3] Item for electric motors included with that for prime movers to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
Fuel:	*Quantity*	*Cost*	*Quantity*	*Quantity*	*Quantity*	*Quantity*	*Quantity*
Coal, total [2] (tons, 2,000 pounds)	1,589,926	$6,911,523	1,359,612	2,090,723	1,407,778	1,218,169	906,284
Anthracite (tons, 2,240 pounds)	33,473	179,952	(3)	43,288	43,425	23,154	12,321
Bituminous (tons, 2,000 pounds)	1,552,436	6,731,571	(3)	2,042,240	1,359,142	1,192,237	892,484
Coke (tons, 2,000 pounds)	21,591	157,019	(4)	(4)	14,980	22,258	58,174
Fuel oils, including crude oils and gas oils (gallons) [5]	6,198,987	405,133	(4)	(4)	1,626,828	1,248,408	750,330
Gasoline and kerosene (gallons) [5]	533,096	92,013	(4)	(4)	523,950		
Gas, natural (M cubic feet)	40,786	42,764	(4)	(4)	9,050	14,888	9,881
Gas, manufactured (M cubic feet)		139,201	(4)	(4)	(4)	(4)	(4)
Other fuels							
Electric energy purchased (kilowatt-hours)	1,572,917,543	15,276,810	(5)	(4)	(4)	(4)	(4)
Total cost of fuel and purchased energy		[7] 23,024,463	*Cost* $22,698,100	*Cost* (6)	*Cost* $13,916,881	*Cost* $6,235,671	*Cost* $4,269,088

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
All industries, total	3,797	[3] 16,599	239,826	317,739	522,206	[3] $37,942,407	$160,867,988	$596,046,728	$22,864,962	$1,311,924,352	[4] 693,012,662
Agricultural implements	11	27	213	150	548	102,490	207,797	224,502	12,141	850,586	613,943
Awnings, tents, sails, and canvas covers	6	2	27	-------	15	(*)	23,173	63,955	740	141,026	76,331
Baskets and rattan and willow ware, not including furniture	11	23	535	684	411	40,760	298,555	334,791	5,432	892,546	552,323
Beverages	148	183	757	70	2,032	552,616	919,421	3,311,098	94,810	8,469,686	5,063,778
Boxes, paper, not elsewhere classified	9	28	422	-------	438	83,864	271,930	751,344	13,410	1,459,255	694,501
Boxes, wooden, except cigar boxes	23	62	798	2,260	1,894	143,258	498,362	1,772,525	15,573	2,975,164	1,187,066
Bread and other bakery products	83	154	1,249	516	2,292	303,399	1,291,827	3,592,658	164,565	7,229,865	3,472,642
Brooms	6	5	58	-------	30	6,290	43,017	136,774	1,492	229,459	91,193
Brushes, other than rubber	3	6	22	-------	46	11,525	18,338	11,622	740	57,473	45,111
Butter	15	21	49	30	401	38,590	55,838	842,403	12,301	1,035,678	180,974
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	4	5	67	523	48	9,973	21,876	93,005	6,363	194,592	95,224
Canning and preserving: Fruits and vegetables, pickles, jellies, preserves, and sauces	6	11	88	39	215	26,532	45,850	290,304	1,537	461,737	169,896
Car and general construction and repairs, electric-railroad repair shops	8	9	85	-------	208	19,971	98,261	77,336	592	196,187	118,259
Car and general construction and repairs, steam-railroad repair shops	15	215	4,059	2,889	6,993	547,093	5,959,250	5,832,194	240,778	12,579,459	6,506,487
Carriages, wagons, sleighs, and sleds	4	30	142	400	484	64,125	139,056	203,412	6,392	566,430	356,626
Caskets, coffins, burial cases, and other morticians' goods	9	41	211	450	400	143,438	222,487	627,427	10,154	1,435,562	797,921
Cereal preparations	7	33	79	110	1,200	86,330	76,213	2,342,185	38,297	2,892,220	511,738
Cigars and cigarettes	8	4,430	13,778	21,005	4,470	7,937,776	11,783,472	139,178,118	434,976	480,038,850	340,425,756
Clay products (other than pottery) and nonclay refractories	58	135	1,458	3,561	7,142	294,856	1,000,760	236,058	896,861	3,122,899	1,989,980
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	11	59	1,763	-------	447	210,822	991,866	3,789,788	20,837	5,543,631	1,733,006
Coffee and spice, roasting and grinding	9	15	14	36	84	24,336	16,064	310,329	4,743	449,405	134,333
Concrete products	19	34	147	21	366	78,225	152,806	180,108	6,616	521,388	334,664
Confectionery	17	40	233	45	215	80,721	198,361	747,232	17,262	1,523,336	758,842
Cooperage	30	48	220	580	93	66,257	163,028	871,640	2,385	1,369,766	495,741
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	17	17	147	-------	34	52,541	134,299	376,515	1,839	683,826	305,472
Cordage and twine	11	63	1,725	2,625	5,847	130,651	1,058,365	5,093,823	222,341	7,925,174	2,609,010
Cotton goods	351	2,806	91,844	97,328	322,882	7,442,429	60,794,170	181,325,894	11,896,221	317,005,212	123,783,097
Cotton small wares	8	20	250	-------	346	52,357	229,380	506,260	19,326	995,433	469,847
Dyeing and finishing textiles	18	242	2,363	4,777	4,780	636,094	1,952,693	10,497,052	325,542	16,079,262	5,256,668
Electrical machinery, apparatus, and supplies	6	11	68	30	128	27,178	56,736	163,774	4,267	259,716	151,675
Excelsior	3	-------	30	110	137	-------	28,921	66,253	4,552	118,817	48,012
Feeds, prepared, for animals and fowls	4	18	30	5	546	33,938	27,217	671,362	5,184	815,351	138,805
Fertilizers	79	359	2,140	3,855	12,568	758,948	1,550,798	16,069,134	232,829	22,956,326	6,654,363
Flour and other grain-mill products	201	175	469	4,376	9,315	393,063	444,937	10,714,871	193,092	14,240,105	3,332,142
Foundry and machine-shop products, not elsewhere classified	65	165	907	324	2,203	421,892	1,139,943	1,140,647	63,147	3,706,091	2,502,297
Furniture, including stores and office fixtures	146	1,039	15,609	17,546	20,619	2,816,257	12,222,796	29,070,295	654,573	56,737,489	27,012,621
Gas, manufactured, illuminating and heating	24	141	436	848	2,107	215,358	426,568	511,774	628,309	3,346,502	2,206,419
Ice cream	37	80	271	25	3,370	174,788	326,527	1,415,679	113,814	3,014,681	1,485,188
Ice, manufactured	143	205	1,197	7,496	15,378	411,377	1,129,166	214,294	560,308	4,237,939	3,463,337
Knit goods	158	1,022	22,930	7,460	11,302	2,767,586	18,160,045	47,616,360	823,535	86,112,765	37,672,870
Leather: Tanned, curried, and finished	9	80	1,329	4,425	3,334	344,993	1,132,077	13,581,685	199,481	18,017,395	4,236,229
Lumber and timber products, not elsewhere classified	1,150	819	17,364	62,025	6,611	1,850,552	12,373,968	13,212,970	310,890	39,360,383	25,836,523
Marble, granite, slate, and other stone products	31	87	854	1,448	2,979	221,240	1,080,953	788,603	79,972	2,956,818	2,088,343
Mattresses and bed springs, not elsewhere classified	17	41	184	-------	606	82,598	151,272	571,866	11,722	1,016,169	432,581
Minerals and earths, ground or otherwise treated	7	35	236	433	493	108,194	158,134	510,998	23,955	1,025,680	490,727
Mirrors, framed and unframed	6	26	156	110	322	81,660	165,418	1,515,757	13,066	2,142,312	613,489
Motor-vehicle bodies and motor-vehicle parts	9	36	277	-------	805	97,180	295,159	341,291	11,906	971,071	617,874
Oil, cake, and meal, cottonseed	49	251	1,154	7,625	17,920	444,622	794,557	13,832,457	449,305	16,960,715	2,709,053
Paper	5	50	425	[5] 28,710	[5] 5,736	99,471	502,546	3,069,569	717,014	5,684,513	1,897,930
Peanuts, walnuts, and other nuts, processed or shelled	10	37	469	675	735	75,936	132,495	2,949,272	15,040	3,440,373	476,061
Photo-engraving, not done in printing establishments	7	16	34	-------	41	36,764	79,055	23,648	2,689	196,395	170,058
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	192	417	3,071	14,982	8,905	1,013,398	2,723,929	11,205,247	143,357	18,279,171	6,930,567
Pottery, including porcelain ware	6	2	22	44	23	(*)	20,286	4,925	4,883	48,706	38,898
Printing and publishing, book and job	102	203	706	5	934	488,465	1,002,708	1,057,985	47,913	3,605,848	2,499,950
Printing and publishing, newspaper and periodical	160	1,020	1,137	19	2,383	2,074,037	1,819,140	1,826,604	114,794	10,054,400	8,113,002
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	9	5	32	-------	96	8,700	25,666	434,818	3,640	580,543	142,085
Shirts	6	21	288	-------	73	40,750	141,134	476,312	5,349	780,386	298,725
Signs and advertising novelties	4	4	25	-------	2	3,720	24,700	56,600	350	143,851	86,901
Silk and rayon manufactures	18	162	2,922	1,000	2,540	466,041	2,802,730	10,799,142	136,127	18,587,608	7,652,339
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	8	110	318	-------	1,125	227,658	412,387	1,301,716	23,135	2,207,563	882,712
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	7	21	249	3,846	1,016	38,417	188,597	951,129	85,075	1,638,130	601,926
Textile machinery and parts	23	64	335	35	723	221,724	408,686	556,386	18,319	1,689,374	1,114,669
Window and door screens and weather strip	3	2	6	-------	28	(*)	8,758	10,182	399	25,873	15,292
Wood turned and shaped and other wooden goods, not elsewhere classified	30	32	359	1,085	679	62,156	250,113	518,197	12,157	1,139,429	609,076
Woolen goods	7	33	1,104	480	2,308	104,851	937,608	3,344,513	88,641	6,019,905	2,586,751
Other industries	131	1,046	9,870	10,618	19,755	2,541,576	8,455,743	41,890,161	2,888,007	82,850,912	38,372,744

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 511 employees of central administrative offices, with salaries aggregating $1,609,724. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[5] Includes item for the "Pulp (wood and other fiber)" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by individual establishments.

TABLE 13.—GENERAL STATISTICS FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
CABARRUS COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Cotton goods"—without disclosing the data reported by individual establishments; and those industries for which is would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	42	306	10,481	3,491	28,718	$758,206	$7,107,694	$17,562,220	$1,094,201	$30,351,926	$11,695,505
FORSYTH COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Cigars and cigarettes"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	116	4,931	18,405	17,159	13,998	$9,402,676	$14,969,972	$104,039,375	$842,803	$305,914,870	$201,032,692
GASTON COUNTY											
All industries, total	136	736	18,444	2,488	77,750	$2,006,142	$12,743,568	$37,575,155	$3,064,503	$69,083,052	$28,443,394
Cotton goods	74	592	16,991	1,995	73,347	1,595,642	11,519,100	33,440,551	2,899,082	61,927,309	25,587,673
Foundry and machine-shop products, not elsewhere classified	8	15	98	-------	167	44,324	111,017	81,586	5,444	370,362	283,332
Ice, manufactured	5	9	52	-------	1,030	14,740	45,088	8,723	25,971	155,276	120,582
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	5	12	35	385	202	28,600	35,532	100,225	3,418	201,422	97,779
Printing and publishing, book and job	3	-------	12	-------	26	-------	19,663	17,164	1,102	50,237	31,971
Textile machinery and parts	11	21	143	-------	227	119,914	183,696	285,357	4,677	916,733	626,699
Other industries	30	87	1,113	108	2,751	202,922	829,472	3,641,549	124,809	5,461,716	1,695,358
GUILFORD COUNTY											
All industries, total	235	1,411	19,269	20,295	36,461	$4,052,189	$16,431,302	$54,540,858	$1,529,200	$96,728,261	$40,658,203
Beverages	8	6	41	5	72	13,610	48,673	189,257	4,106	517,923	324,560
Bread and other bakery products	11	35	168	2	308	71,696	202,444	538,508	21,275	1,163,991	604,208
Cigars and cigarettes	4	11	155	-------	5	22,470	87,358	121,525	1,652	325,613	202,436
Cotton goods	8	165	5,313	9,903	18,319	503,948	3,940,620	14,028,280	665,934	21,284,124	6,589,910
Fertilizers	3	37	112	-------	1,584	95,283	110,985	1,170,583	17,753	1,711,970	523,634
Flour and other grain-mill products	9	21	34	190	335	44,047	36,308	740,449	12,179	940,255	187,627
Foundry and machine-shop products, not elsewhere classified	10	41	145	-------	505	100,353	198,830	233,838	12,522	712,951	466,591
Furniture, including store and office fixtures	28	259	2,964	2,320	4,122	629,755	2,735,798	6,598,605	115,663	12,301,371	5,587,103
Ice, manufactured	5	11	103	1,110	1,109	22,865	105,172	8,373	46,507	302,205	247,325
Knit goods	23	179	4,680	-------	2,286	601,465	4,053,550	10,558,540	164,209	18,994,310	8,271,561
Lumber and timber products, not elsewhere classified	24	62	590	1,115	1,807	192,589	571,623	863,558	51,616	2,516,772	1,601,598
Marble, granite, slate, and other stone products	3	3	17	-------	163	6,535	16,644	10,493	2,258	49,133	36,382
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	16	70	412	1,200	1,215	197,676	431,883	1,443,455	23,239	2,463,458	996,764
Printing and publishing, book and job	13	20	74	-------	115	59,227	113,063	140,602	5,031	436,133	290,500
Printing and publishing, newspaper and periodical	9	154	121	-------	234	334,220	230,018	288,410	16,218	1,381,135	1,076,507
Other industries	61	337	4,340	4,450	4,282	1,156,441	3,548,333	17,606,382	369,038	31,626,917	13,651,497
MECKLENBURG COUNTY											
All industries, total	174	1,085	9,299	8,329	28,308	$3,036,410	$8,735,340	$39,954,186	$1,241,788	$69,816,633	$28,620,659
Beverages	5	13	41	-------	130	27,115	54,082	234,850	4,556	583,836	344,430
Bread and other bakery products	9	22	247	-------	472	44,769	253,642	837,777	40,042	1,582,611	704,792
Concrete products	4	12	45	-------	76	38,300	39,690	48,733	1,709	135,975	85,533
Cotton goods	18	122	3,631	5,525	13,949	483,255	2,441,015	5,816,761	515,472	11,511,310	5,179,077
Fertilizers	4	17	173	30	1,345	34,512	123,698	1,107,568	14,629	1,788,300	666,103
Foundry and machine-shop products, not elsewhere classified	10	51	226	90	443	157,012	298,503	407,860	12,649	1,166,148	745,639
Ice, manufactured	3	6	29	-------	875	19,291	25,139	3,550	31,740	162,050	126,760
Marble, granite, slate, and other stone products	6	14	82	-------	518	20,192	107,776	123,782	9,112	409,321	276,427
Mattresses and bed springs, not elsewhere classified	3	2	17	-------	51	(1)	17,706	66,452	717	113,442	46,273
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	6	31	149	325	354	95,566	197,538	665,058	7,655	1,115,865	443,152
Printing and publishing, book and job	12	38	110	-------	137	100,184	147,029	189,180	7,030	624,873	428,663
Printing and publishing, newspaper and periodical	8	188	178	-------	315	392,348	337,444	525,321	18,365	2,279,268	1,735,582
Signs and advertising novelties [2]	4	4	25	-------	2	3,720	24,700	56,600	350	143,851	86,901
Textile machinery and parts	6	29	122	35	286	76,512	139,580	154,865	8,664	497,057	333,528
Other industries [3]	76	536	4,224	2,324	9,355	1,543,634	4,527,798	29,715,829	569,098	47,702,726	17,417,799

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[2] The figures for the "Signs and advertising novelties" industry include the data for 1 establishment located outside the county to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[3] See footnote 2.

NORTH DAKOTA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY OF POWER EQUIPMENT)			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	373	4,024	19,756	11,096	8,660	$5,687,028	$39,684,462	$38,573,196	$1,111,266	$55,321,592	$15,637,130
1927	307	3,260	16,167	10,761	5,406	4,808,122	34,271,002	33,283,479	987,523	47,003,022	12,732,020
1925	320	3,261	16,711	11,918	4,793	4,574,698	32,306,744	(4)	(4)	44,631,516	12,324,772
1923	340	3,552	16,730	12,262	4,468	5,134,350	30,704,161	(4)	(4)	42,145,471	11,441,310
1921	388	3,107	(5)	(5)	(5)	4,669,294	26,265,359	(4)	(4)	36,358,218	10,092,859
1919	894	4,472	17,791	12,301	5,490	5,401,330	44,489,499	43,477,254	1,012,245	57,373,622	12,884,123
1914	699	3,275	13,980	11,124	2,856	2,416,235	14,484,315	13,957,277	527,038	21,147,431	6,663,116
1909	752	2,789	13,168	12,004	1,164	1,787,405	13,673,590	13,220,170	453,420	19,137,506	5,463,916
1904	507	1,755	9,867	9,586	281	1,031,307	7,095,986	6,855,030	240,956	10,217,914	3,121,928
1899	337	1,358	7,324	7,197	127	671,321	4,150,860	(6)	(6)	6,259,840	2,108,980
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	21.5	23.4	22.2	3.1	60.2	18.3	15.8	15.9	12.5	17.7	22.8
1925–1927	—4.1	(7)	—3.3	—9.7	12.8	5.1	6.1			5.3	3.3
1923–1925	—5.9	—8.2	—0.1	—2.8	7.3	—10.9	5.2			5.9	7.7
1921–1923	—12.4	14.3				10.0	16.9			15.9	13.4
1919–1921	—56.6	—30.5				—13.6	—41.0			—36.6	—21.7
1919–1929	—58.3	—10.0	11.0	—9.8	57.7	5.3	—10.8	—11.3	9.8	—3.6	21.4
1909–1919	18.9	60.3	35.1	2.5	371.6	202.2	225.4	228.9	123.2	199.8	135.8
1899–1909	123.1	105.4	79.8	66.8	816.5	166.3	229.4			205.7	159.1

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products, include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.
[7] Less than one-tenth of 1 per cent.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

[This table gives statistics for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing an approximation of the data supplied by individual establishments. Certain of the other counties, however, reported larger numbers of wage earners or larger values of products than some of the counties shown separately. In the cases of Bottineau, Hettinger, and McLean Counties, which reported fewer than 10 wage earners, statistics are here presented in order that comparisons may be made with the figures for these counties as published (in mimeographed form) for 1927]

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	680,845	373	4,024	19,756	$5,687,028	$39,684,462	$38,573,196	$1,111,266	$55,321,592	$15,637,130
Counties										
Adams	6,343	5	10	108	14,334	35,261	34,629	632	80,053	44,792
Barnes	18,804	13	70	1,180	105,618	1,278,022	1,252,858	25,164	1,752,091	474,069
Bottineau	14,353	4	8	87	12,052	52,952	49,951	3,001	88,279	35,327
Burke	9,998	4	19	50	27,435	58,720	56,224	2,496	104,066	45,346
Burleigh	19,769	20	235	547	303,240	1,868,175	1,805,197	62,978	3,020,136	1,151,961
Cass	48,735	56	895	3,298	1,251,526	12,484,716	12,198,968	285,748	16,891,990	4,407,274
Eddy	6,346	4	10	51	16,116	97,630	94,733	2,897	128,785	31,155
Foster	6,353	3	10	17	15,425	29,040	26,959	2,081	65,114	36,074
Grand Forks	31,956	34	681	6,122	1,025,556	8,143,295	7,878,571	264,724	10,815,629	2,672,334
Hettinger	8,796	4	6	256	11,030	31,292	29,700	1,592	67,580	36,288
McHenry	15,439	5	15	39	19,157	74,306	71,688	2,618	113,757	39,451
McLean	17,991	4	8	57	12,360	65,807	64,936	871	97,227	31,420
Morton	19,647	17	280	1,089	374,683	1,822,671	1,769,807	52,864	2,644,454	821,783
Pembina	14,757	5	11	132	15,624	170,963	166,661	4,302	222,831	51,868
Pierce	9,074	4	14	148	19,097	273,385	268,528	4,857	359,300	85,915
Ramsey	16,252	12	184	521	247,750	1,502,165	1,468,955	33,210	2,004,689	502,524
Ransom	10,983	9	102	89	150,816	269,715	247,856	21,859	486,713	216,998
Richland	21,008	15	70	420	82,556	493,009	478,391	14,618	795,700	302,691
Stark	15,340	12	137	1,592	166,343	1,104,289	1,014,977	89,312	1,524,296	420,007
Stutsman	26,100	13	267	792	402,592	1,999,623	1,945,309	54,414	2,787,028	787,405
Traill	12,600	8	21	41	18,502	112,063	106,646	5,417	159,853	47,790
Walsh	20,047	10	30	88	31,229	183,719	175,891	7,828	296,125	112,406
Ward	33,597	26	479	1,539	725,926	3,393,385	3,329,037	64,348	5,141,629	1,748,244
Wells	13,285	5	44	46	69,320	146,104	137,241	8,863	254,095	107,991
Williams	19,553	12	181	382	300,020	548,817	518,799	30,018	978,748	429,931
All other counties [3]	243,219	69	237	1,065	268,721	3,445,338	3,380,784	64,554	4,441,424	996,086
Cities having 10,000 inhabitants or more										
Bismarck	11,090	20	235	547	303,240	1,868,175	1,805,197	62,978	3,020,136	1,151,961
Fargo	28,619	53	639	2,655	899,255	3,724,716	3,506,299	218,417	6,927,291	3,202,575
Grand Forks	17,112	28	563	5,411	878,074	6,939,159	6,708,572	230,587	9,302,913	2,363,754
Minot	16,099	21	450	1,481	692,788	3,248,810	3,190,933	57,875	4,907,667	1,658,857

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Benson, Bowman, Cavalier, Dickey, Divide, Dunn, Emmons, Golden Valley, Grant, Griggs, Kidder, La Moure, Logan, McIntosh, McKenzie, Mercer, Mountrail, Nelson, Oliver, Renville, Rolette, Sargent, Sheridan, Sioux, Slope, Steele, and Towner Counties. (See headnote.) No manufacturing was reported from Billings County.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHERS SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	5,211	4,545	666	194	184	10	124	115	9	869	600	269	4,024	[2] 3,646	[2] 378
1919 [1] [3]	6,148	5,578	570	774	745	29	112	108	4	790	589	201	4,472	4,136	336
1914 [3]	4,627	4,164	463	603	582	21	63	62	1	686	548	138	3,275	2,972	303
1909	4,148	3,777	371	723	697	26	64	64	-------	572	478	94	2,789	2,538	251

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **hold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	4,024	3,659	*3,577*	3,677	3,765	3,993	4,177	**4,361**	4,294	4,311	4,275	4,222	3,977	82.0
1919 [1]	4,472	3,996	4,014	*3,989*	4,175	4,224	4,573	4,841	4,847	4,758	**4,850**	4,731	4,666	82.2
1914 [1]	3,275	3,000	*2,954*	2,976	3,104	3,207	3,442	**3,825**	3,554	3,533	3,397	3,333	3,175	81.5
1909 [1]	2,789	*2,356*	2,386	2,443	2,580	2,816	3,041	3,004	2,880	2,927	3,033	**3,052**	2,950	77.2

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	373	4,024	45 and over but under 48	5	370
Not reported	57	123	48	121	1,502
Under 40	[1] 5	[1] 14	Over 48 but under 54	9	125
40			54	36	147
Over 40 but under 44			Over 54 but under 60	10	318
44 and over but under 45	21	622	60 and over	109	803

[1] Combined to avoid disclosing data for individual establishments.

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	373	894	752	4,024	4,472	2,789	21 to 50	23	24	21	750	765	706
							51 to 100	10	5	3	705	380	226
No wage earners	14	211	125				101 to 250	[1] 6	10	2	[1] 1,160	1,421	247
1 to 5	239	560	537	566	1,046	956	251 to 500						
6 to 20	81	84	64	843	860	654							

[1] Combined to avoid disclosing data for an individual establisbment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for tbe "Automobile repairing" industry, wbicb was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	373	894	752	4,024	4,472	2,789	$55,321,592	$57,373,622	$19,137,506	$15,637,130	$12,884,123	$5,463,916
Less than $5,000	[2]	357	382	[2]	202	351	[2]	958,443	915,406	[2]	647,801	658,537
$5,000 to $19,999	165	282	238	337	582	628	1,713,983	2,800,704	2,350,795	1,111,262	1,589,010	1,103,610
$20,000 to $99,999	131	175	99	780	892	951	6,209,855	7,338,004	4,767,125	2,915,594	2,676,934	1,703,216
$20,000 to $49,999	80	[3]	[3]	349	[3]	[3]	2,648,722	[3]	[3]	1,345,821	[3]	[3]
$50,000 to $99,999	51	[3]	[3]	431	[3]	[3]	3,561,133	[3]	[3]	1,569,773	[3]	[3]
$100,000 to $499,999	55	63		1,448	2,104		12,003,714	13,341,254		4,927,568	4,585,937	
$100,000 to $249,999	38	[3]		565	[3]		5,882,661	[3]		2,166,490	[3]	
$250,000 to $499,999	17	[3]	33	883	[3]	859	6,121,053	[3]	11,104,180	2,761,078	[3]	1,998,553
$500,000 to $999,999	8	5		693	145		5,617,826	3,069,209		2,402,326	470,701	
$1,000,000 and over	14	12		766	547		29,776,214	29,866,008		4,280,380	2,913,740	
$1,000,000 to $2,499,999	11	[3]	[3]	367	[3]	[3]	14,130,505	[3]	[3]	2,430,543	[3]	[3]
$2,500,000 to $4,999,999	[4] 3	[3]	[3]	[4] 399	[3]	[3]	[4] 15,645,709	[3]	[3]	[4] 1,849,837	[3]	[3]
$5,000,000 and over		[3]	[3]		[3]	[3]		[3]	[3]		[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purebased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.
[4] Combined to avoid disclosing data for individual establisbments.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	373	894	4,024	4,472	$55,321,592	$57,373,622	$15,637,130	$12,884,123
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	181	268	3,472	3,421	50,290,086	45,548,509	13,348,894	9,502,872
Other forms of ownership or control (individual, partnership, etc.)	192	626	552	1,051	5,031,506	11,825,113	2,288,236	3,381,251
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	68	(1)	2,220	(1)	32,785,634	(1)	7,376,988	(1)
Independent (single-unit)	305	(1)	1,804	(1)	22,535,958	(1)	8,260,142	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE: 1929, 1927, 1925, 1919, AND 1914

CENSUS YEAR	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
1929	19,756	11,096	77	5,746	13	4,340	19	950	2	60	2,123	8,660	388	5,617
1927	16,167	10,761	70	5,869	11	3,566	35	1,226	2	100	1,507	5,406	407	6,267
1925	16,711	11,918	80	4,544	11	5,463	53	1,826	10	85	1,296	4,793	316	5,072
1919 [1]	17,791	12,301	103	9,589	11	471	289	1,981	6	260	1,230	5,490	127	1,283
1914 [1]	13,980	11,124	[2] 135	[2] 9,627	[3]	[3]	294	1,198	9	299	598	2,856	62	944

[1] Data for the "Automobile repairing" industry are included for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See headnote on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	19,756	11,096	8,660	5,617	*Counties*—Continued				
Counties					Morton	1,089	128	961	15
Adams	108	2	106	----	Pembina	132	100	32	----
Barnes	1,180	1,045	135	416	Pierce	148	135	13	----
Bottineau	87	75	12	----	Ramsey	521	255	266	105
Burke	50	25	25	----	Ransom	89	44	45	15
Burleigh	547	65	482	----	Richland	420	80	340	----
Cass	3,298	940	2,358	659	Stark	1,592	1,445	147	100
Eddy	51	----	51	----	Stutsman	792	295	497	141
Foster	17	----	17	----	Traill	41	2	39	----
Grand Forks	6,122	4,749	1,373	3,747	Walsh	88	3	85	----
Hettinger	256	225	31	----	Ward	1,539	948	591	394
McHenry	39	3	36	----	Wells	46	10	36	----
McLean	57	47	10	----	Williams	382	212	170	----
					All other counties [2]	1,065	263	802	25

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Benson, Bowman, Cavalier, Dickey, Divide, Dunn, Emmons, Golden Valley, Grant, Griggs, Kidder, La Moure, Logan, McIntosh, McKenzie, Mercer, Mountrail, Nelson, Oliver, Renville, Rolette, Sargent, Sheridan, Sioux, Slope, Steele, and Towner Counties. No manufacturing was reported from Billings County.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	232,890	$714,536	156,949	189,704	194,378	151,787	109,017
Anthracite (tons, 2,240 lbs.)	2,019	16,985	[3]	916	1,736	5,282	2,874
Bituminous (tons, 2,000 lbs.)	230,629	697,551	[3]	188,678	192,434	145,871	105,798
Coke (tons, 2,000 lbs.)	1,965	24,323	[4]	[4]	1,498	1,371	429
Fuel oils, including crude oils and gas oils (gallons) [5]	774,928	51,203	[4]	[4]	107,478	137,760	288,918
Gasoline and kerosene (gallons) [5]	10,580	1,312	[4]	[4]	97,608		
Gas, natural (M cu. ft.)	51,743	7,925	[4]	[4]	6,451	2,221	2,696
Gas, manufactured (M cu. ft.)	14,492	15,417	[4]	[4]			
Other fuels		72,978	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	10,262,002	224,697	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 1,112,891	*Cost* $987,523	*Cost* [6]	*Cost* $1,012,245	*Cost* $527,038	*Cost* $453,420

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents statistics for all industries for which separate figures can be given without disclosing, exactly or approximately, the data reported by individual establishments. Certain of the "Other industries," however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	373	993	4,024	11,096	8,660	$2,074,697	$5,687,028	$38,573,196	$1,111,266	$55,321,592	$15,637,130
Beverages	17	18	42	4	98	29,568	59,197	110,484	7,114	318,213	200,615
Bread and other bakery products	56	62	470		1,038	110,930	530,304	1,612,939	91,683	3,487,367	1,782,745
Butter	55	177	474	807	1,924	318,700	552,618	15,237,420	153,276	18,004,541	2,613,845
Car and general construction and repairs, steam-railroad repair shops	19	116	1,294	719	1,244	307,948	2,091,652	1,486,127	161,109	4,046,836	2,399,600
Clay products (other than pottery) and nonclay refractories	5	8	102	165	560	14,237	87,498	6,549	39,742	175,270	128,979
Concrete products	5	5	14	10	26	10,110	17,424	30,808	1,490	80,870	48,572
Flour and other grain-mill products	24	100	226	7,449	576	203,301	331,227	7,928,960	110,162	9,812,250	1,773,128
Foundry and machine-shop products, not elsewhere classified	5	12	61		321	32,053	105,359	187,351	8,259	435,224	239,614
Gas, manufactured, illuminating and heating	5	27	57	130	314	35,259	83,185	132,268	269,184	815,836	414,384
Ice cream	11	19	50	16	317	25,939	61,577	309,577	18,089	707,465	379,739
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	10	7	53	50	322	17,086	75,221	99,790	6,242	239,651	133,619
Poultry killing, dressing, and packing, wholesale	5	8	33		33	11,535	31,105	587,167	1,820	693,604	104,617
Printing and publishing, book and job	21	48	157		233	137,801	207,775	224,918	12,172	741,063	503,973
Printing and publishing, newspaper and periodical	98	244	414	19	873	540,905	717,297	444,135	51,296	3,139,106	2,643,675
Other industries	37	142	577	1,727	781	279,325	735,589	10,174,703	179,628	12,624,356	2,270,025

[1] The aggregates for the cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[2] Value of products less cost of materials, containers for products, fuel and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

OHIO

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers [4]	Fuel and purchased energy		
1929	11,855	741,143	4,340,575	2,095,138	2,245,437	$1,102,166,499	$3,138,098,834	$2,919,341,176	$218,757,658	$6,027,903,137	$2,889,804,303
1927	10,961	669,097	3,734,761	1,909,426	1,825,335	965,181,165	2,877,126,245	2,661,984,504	215,141,741	5,230,323,268	2,353,197,023
1925	11,137	676,742	3,482,618	1,901,435	1,581,183	975,811,976	3,029,686,278	[5]	[5]	5,347,522,464	2,317,836,186
1923	11,195	699,132	3,307,726	1,996,766	1,310,960	979,659,869	2,909,167,245	[5]	[5]	5,146,514,777	2,237,347,532
1921	11,479	494,288	[6]	[6]	[6]	627,032,666	1,919,090,420	[5]	[5]	3,300,693,256	1,381,602,836
1919	16,125	730,733	2,885,007	1,939,666	945,341	944,651,734	2,911,947,871	2,729,033,617	182,914,254	5,100,308,728	2,188,360,857
1914	15,658	510,435	1,985,950	1,712,136	273,814	317,923,813	1,020,782,015	961,446,203	59,335,812	1,782,808,279	762,026,264
1909	15,138	446,934	1,577,220	1,483,628	93,592	245,449,904	824,201,947	774,084,174	50,117,773	1,437,935,817	613,733,870
1904	13,785	364,298	1,111,189	1,088,030	23,159	182,429,425	527,686,585	497,265,757	30,370,828	960,811,857	433,175,272
1899	13,868	308,109	775,819	767,051	8,768	136,427,579	409,302,501	[7]	[7]	748,670,855	339,368,354
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	8.2	10.8	16.2	9.7	23.0	13.8	9.1	9.7	1.7	15.2	22.8
1925–1927	−1.6	−1.1	7.2	0.4	15.4	−0.8	−5.0			−2.2	1.5
1923–1925	−0.5	−3.2	5.3	−4.8	20.6	−0.4	4.1			3.9	3.6
1921–1923	−2.5	41.4				56.2	51.6			55.9	61.9
1919–1921	−28.8	−32.4				−33.6	−34.1			−35.3	−36.9
1919–1929	−26.5	1.4	50.5	8.0	127.5	16.7	7.8	7.0	19.6	18.2	32.1
1909–1919	6.5	63.5	82.9	30.7	910.1	284.9	253.3	252.5	265.0	254.7	256.6
1899–1909	9.2	45.1	103.3	93.4	967.4	79.9	101.4			92.1	80.8

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Includes cost of mill supplies for 1927 and earlier years, but not for 1929. See GENERAL EXPLANATIONS—Comparableness with Preceding Years—Schedule Changes—Mill or Shop Supplies.
[5] Not reported separately.
[6] Not called for on schedule.
[7] No comparable data.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [3]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	6,646,697	11,855	741,143	4,340,575	$1,102,166,499	$3,138,098,834	$2,919,341,176	$218,757,658	$6,027,903,137	$2,889,804,303
Industrial Areas										
Cleveland Area [3]	1,310,661	2,912	176,840	989,227	276,161,077	770,213,935	708,633,968	61,579,967	1,505,490,392	735,276,457
Cincinnati Area, [4] total	870,365	2,373	114,068	475,196	157,583,726	494,232,726	478,214,297	16,018,429	933,290,890	439,058,164
Portion in Ohio	703,440	2,185	105,014	436,148	144,423,909	462,665,858	448,295,207	14,370,651	874,737,401	412,071,543
Portion in Kentucky	166,925	188	9,054	39,048	13,159,817	31,566,868	29,919,090	1,647,778	58,553,489	26,986,621
Youngstown Area, [5] total	555,709	612	78,903	1,171,241	138,076,535	504,027,995	436,586,568	67,441,487	823,532,610	319,504,615
Portion in Ohio	359,205	357	53,282	812,414	96,459,583	368,408,419	316,596,929	51,811,490	597,134,677	228,726,258
Portion in Pennsylvania	196,504	255	25,621	358,827	41,616,952	135,619,576	119,989,579	15,629,997	226,397,933	90,778,357
Akron Area (coextensive with Summit County) [6]	344,131	359	67,298	323,460	107,253,929	317,659,893	308,369,142	9,290,751	599,053,295	281,393,402
Toledo Area (coextensive with Lucas County)	347,709	625	53,996	201,483	79,925,863	266,498,160	256,014,456	10,483,704	479,336,121	212,837,961
Wheeling Area, [7] total	394,761	537	45,906	446,601	70,728,962	179,366,489	158,883,221	20,483,268	319,433,328	140,066,839
Portion in Ohio	269,510	351	23,489	269,912	35,271,446	91,936,718	81,968,974	9,967,744	158,773,705	66,836,987
Portion in West Virginia	125,251	186	22,417	176,689	35,457,516	87,429,771	76,914,247	10,515,524	160,659,623	73,229,852
Dayton Area (coextensive with Montgomery County) [8]	273,481	521	42,591	117,896	64,793,012	118,889,283	115,538,747	3,350,536	330,318,581	211,429,298

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [5]										
Adams	20,381	19	168	395	$158,302	$269,923	$263,050	$6,873	$575,251	$305,328
Allen	69,419	108	6,588	21,717	8,337,261	28,595,202	27,299,761	1,295,441	47,139,493	18,544,291
Ashland	26,867	44	2,274	5,902	2,562,657	6,757,968	6,499,999	257,969	14,953,305	8,195,337
Ashtabula	68,361	107	4,872	18,418	7,083,715	11,112,777	10,538,717	574,060	24,609,351	13,496,574
Athens	44,175	46	708	4,994	826,357	2,003,066	1,850,235	152,831	4,076,042	2,072,976
Auglaize	28,034	61	1,891	9,610	1,756,733	5,520,451	5,262,939	257,512	9,556,696	4,036,245
Belmont [7]	94,719	113	5,209	21,974	6,881,014	23,686,852	22,550,475	1,136,377	36,059,579	12,372,727
Brown	20,148	9	149	464	111,270	191,922	185,310	6,612	419,534	227,612
Butler [4]	114,084	167	19,593	173,384	29,187,880	73,819,715	68,164,879	5,654,836	145,718,315	71,898,600
Carroll	16,057	40	1,661	6,264	1,901,090	1,665,788	1,227,012	438,776	4,885,047	3,219,259
Champaign	24,103	34	774	5,204	970,731	3,163,124	2,967,765	195,359	5,805,845	2,642,721
Clark	90,936	170	12,437	36,381	17,495,288	58,386,107	57,176,839	1,209,268	112,093,656	53,707,549
Clermont	29,786	24	779	1,443	702,019	1,291,761	1,248,676	43,085	2,552,451	1,260,690
Clinton	21,547	28	560	1,586	650,466	812,104	747,569	64,535	2,315,561	1,503,457
Columbiana [7]	86,484	161	8,760	49,586	12,391,361	17,659,478	15,179,334	2,480,144	40,798,996	23,139,518
Cosbocton	28,976	61	2,420	7,275	2,477,728	5,097,637	4,832,870	264,767	11,632,480	6,534,843
Crawford	35,345	70	2,990	11,192	3,914,123	7,420,770	7,064,339	356,431	18,321,525	10,900,755
Cuyahoga [3]	1,201,455	2,781	161,256	782,808	251,942,813	686,920,942	641,158,728	45,762,214	1,359,322,549	672,401,607
Darke	38,009	50	672	2,249	624,126	3,252,850	3,178,094	74,756	5,171,965	1,919,115
Defiance	22,714	40	1,151	5,292	1,201,590	3,080,982	2,971,481	109,501	6,102,121	3,021,139
Delaware	26,016	33	514	2,419	555,063	1,138,840	1,038,869	99,971	2,420,462	1,281,622
Erie	42,133	97	3,097	25,522	4,169,318	9,311,937	8,124,806	1,187,131	19,954,774	10,642,837
Fairfield	44,010	66	3,776	11,869	4,072,029	10,028,313	9,143,617	884,696	19,237,990	9,209,677
Fayette	20,755	32	612	2,331	605,392	3,791,938	3,732,183	59,755	5,322,709	1,530,771
Franklin [9]	361,055	631	32,349	111,018	45,347,321	129,036,414	124,176,353	4,860,061	250,091,629	121,055,215
Fulton	23,477	31	545	2,546	634,462	2,699,683	2,614,473	85,210	4,736,669	2,036,986
Gallia	23,050	18	175	889	162,200	363,041	349,174	13,837	713,461	350,450
Greene	33,259	43	1,457	25,384	1,755,611	3,815,961	3,178,168	637,793	9,208,223	5,392,262
Guernsey	41,486	52	2,772	9,688	3,634,036	6,588,517	6,119,618	468,899	12,899,584	6,311,067
Hamilton [4]	589,356	2,018	85,421	262,764	115,236,029	388,846,143	380,130,328	8,715,815	729,019,086	340,172,943
Hancock	40,404	69	2,563	14,626	2,968,143	10,466,057	9,959,158	506,899	20,167,375	9,701,318
Hardin	27,635	36	660	3,840	697,051	1,271,736	1,162,549	109,187	2,846,315	1,574,579
Harrison	18,844	20	60	780	71,487	169,188	163,141	6,047	377,377	208,189
Henry	22,524	31	326	1,734	348,749	865,186	815,221	48,965	1,866,782	1,001,596
Highland	25,416	42	708	3,136	638,916	1,800,715	1,732,220	68,495	3,531,882	1,731,167
Hocking	20,407	35	1,322	6,818	1,328,144	1,782,780	1,504,554	278,226	4,208,104	2,425,324
Holmes	16,726	30	211	2,617	378,778	534,941	462,120	72,821	1,562,161	1,027,220
Huron	33,700	63	2,046	6,715	2,790,402	4,379,307	4,185,980	193,327	9,688,520	5,309,213
Jackson	25,040	48	1,099	12,157	1,486,054	2,916,449	1,987,867	928,582	5,864,613	2,948,164
Jefferson [7]	88,307	77	9,520	198,352	15,999,071	50,590,388	44,239,165	6,351,223	81,915,130	31,324,742
Knox	29,338	30	1,705	6,583	2,228,786	5,079,614	4,696,239	383,375	12,420,116	7,340,502
Lake	41,674	48	3,537	43,488	5,721,290	11,765,872	8,879,439	2,886,433	29,639,210	17,873,338
Lawrence	44,541	51	2,204	20,862	2,714,984	4,864,220	3,211,714	1,652,506	10,859,844	5,995,624
Licking	59,962	86	5,311	19,459	7,339,320	15,736,241	14,613,293	1,122,948	29,781,155	14,044,914
Logan	28,981	36	863	2,936	1,214,121	2,355,858	2,215,679	140,179	4,604,738	2,248,880
Lorain [3]	109,206	131	15,584	206,419	24,218,264	83,292,993	67,475,240	15,817,753	146,167,843	62,874,850
Lucas (coextensive with Toledo Area)	347,709	625	53,996	201,483	79,925,863	266,498,160	256,014,456	10,483,704	479,336,121	212,837,961
Madison	20,253	19	211	1,083	242,323	1,319,290	1,290,531	28,759	2,002,473	683,183
Mahoning [5]	236,142	204	32,048	576,152	58,149,148	241,635,163	201,408,184	40,226,979	384,942,242	143,307,079
Marion	45,420	67	4,303	24,974	6,141,954	16,025,265	15,336,869	688,396	30,995,071	14,969,806
Medina	29,677	35	1,704	9,071	2,320,575	5,875,341	5,578,862	296,479	10,452,743	4,577,402
Meigs	23,961	25	523	2,919	716,614	1,010,822	904,026	106,796	2,167,155	1,156,333
Mercer	25,096	35	1,194	3,842	1,270,368	3,192,769	3,126,410	66,359	7,486,522	4,293,753
Miami	51,301	98	5,584	16,303	6,636,003	20,106,895	19,645,086	461,809	39,893,925	19,787,030
Monroe	18,426	15	38	446	38,993	126,274	121,038	5,236	222,762	96,488
Montgomery (coextensive with Dayton Area) [6]	273,481	521	42,591	117,896	64,793,012	118,889,283	115,538,747	3,350,536	330,318,581	211,429,298
Morgan	13,583	17	176	650	143,305	497,275	485,517	11,758	812,022	314,747
Morrow	14,489	12	264	693	317,813	493,622	466,896	26,726	1,101,212	607,590
Muskingum	67,398	110	6,769	32,228	8,877,285	14,035,686	11,914,908	2,120,778	35,357,105	21,321,419
Noble	14,961	8	106	296	105,498	145,397	117,650	27,747	386,578	241,181
Ottawa	24,109	30	1,358	9,210	1,623,586	4,343,696	3,837,565	506,131	8,865,828	4,522,132
Paulding	15,301	12	203	1,723	173,489	872,659	822,681	49,978	1,331,995	459,336
Perry	31,445	41	1,699	5,740	2,215,767	1,268,675	691,155	577,520	4,647,615	3,378,940
Pickaway	27,238	24	542	4,080	519,955	1,515,267	1,371,706	143,561	2,908,808	1,393,541
Pike	13,876	11	34	491	28,439	119,882	117,347	2,535	224,650	104,768
Portage	42,682	62	3,820	18,001	5,329,398	13,298,927	12,868,398	430,529	25,959,415	12,660,488
Preble	22,455	30	235	684	157,994	581,709	562,282	19,427	1,030,426	448,717
Putnam	25,074	30	170	1,437	195,461	619,061	577,001	42,060	1,018,779	399,718
Richland	65,902	118	8,097	51,309	12,302,734	28,707,539	26,022,030	2,685,509	59,321,263	30,613,724
Ross	45,181	34	1,992	24,584	2,443,931	8,798,418	8,415,231	383,187	15,950,602	7,152,184
Sandusky	39,731	90	3,212	15,793	3,918,501	9,115,605	8,065,692	1,049,913	19,337,327	10,221,722
Scioto	81,221	82	11,223	68,259	15,067,967	32,036,762	26,958,466	5,078,296	56,987,559	24,950,797
Seneca	47,941	101	4,542	17,532	6,080,443	10,811,081	9,917,988	893,093	24,572,447	13,761,366
Shelby	24,924	46	1,343	4,527	1,582,520	3,858,460	3,732,842	125,618	8,163,728	4,305,268
Stark [8]	221,784	338	32,202	281,115	54,734,837	129,337,528	113,867,325	15,470,203	271,845,402	142,507,874
Summit (coextensive with Akron Area) [6]	344,131	359	67,298	323,460	107,253,929	317,659,893	308,369,142	9,290,751	599,053,295	281,393,402
Trumbull [5]	123,063	153	21,234	236,262	38,310,435	126,773,256	115,188,745	11,584,511	212,192,435	85,419,179
Tuscarawas	68,193	132	8,250	40,663	9,544,753	17,195,748	15,200,052	1,995,696	33,335,143	16,139,395
Union	19,192	21	433	1,350	419,880	2,058,273	2,006,254	52,019	2,953,416	895,143

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [3]—Continued										
Van Wert	26,273	31	638	2,453	$729,564	$1,452,273	$1,366,587	$85,686	$3,301,858	$1,849,585
Warren	27,348	37	1,743	11,654	1,824,937	8,010,217	7,596,639	413,578	12,935,579	4,925,362
Washington	42,437	66	987	5,429	1,168,152	3,032,135	2,894,458	137,677	7,969,405	4,937,270
Wayne	47,024	92	2,767	28,373	3,743,223	14,163,873	13,351,522	812,351	25,355,034	11,191,161
Williams	24,316	43	928	2,603	973,444	3,674,564	3,554,155	120,409	6,371,012	2,696,448
Wood	50,320	51	2,531	20,317	3,757,860	13,215,793	12,420,806	794,987	22,390,138	9,174,345
Wyandot	19,036	24	410	2,363	455,580	1,066,064	950,134	115,930	1,978,024	911,960
All other counties (Geauga and Vinton) [10]	25,701	19	390	2,037	409,421	458,513	385,553	72,960	1,211,928	753,415
Cities having 10,000 inhabitants or more [11]										
Akron	255,040	276	59,983	260,447	96,622,893	291,281,159	284,500,854	6,780,305	544,644,236	253,363,077
Alliance	23,047	48	3,662	25,650	5,651,767	11,278,698	10,605,247	673,451	26,145,875	14,867,177
Ashland	11,141	30	2,070	5,025	2,318,262	4,923,977	4,704,429	219,548	12,475,415	7,551,438
Ashtabula	23,301	44	2,505	8,181	3,020,231	5,360,838	5,092,210	268,628	12,253,424	6,892,586
Barberton	23,934	38	5,944	53,140	8,356,800	20,578,059	18,439,701	2,138,358	43,460,707	22,882,618
Bellaire	13,237	27	1,081	2,670	1,333,769	1,383,192	1,175,154	208,038	4,205,294	2,822,102
Bucyrus	10,027	24	1,205	5,470	1,598,164	2,410,374	2,225,265	185,109	5,819,409	3,409,035
Cambridge	16,129	30	1,739	7,531	2,600,528	5,656,624	5,378,151	278,473	10,172,222	4,515,598
Canton	104,906	174	18,334	155,036	31,870,051	72,647,956	64,556,472	8,091,484	153,988,924	81,340,968
Cincinnati [12]	451,160	1,784	63,986	165,963	85,442,129	243,610,657	238,229,047	5,381,610	497,552,409	253,941,752
Cleveland [12]	900,429	2,573	146,881	726,375	229,159,652	627,926,881	584,462,169	43,464,712	1,245,433,855	617,506,974
Cleveland Heights	50,945	21	99	834	167,026	486,805	446,690	40,115	1,164,922	678,117
Columbus [12]	290,564	564	26,565	79,152	36,940,530	110,445,678	107,057,284	3,388,394	212,255,749	101,810,071
Coshocton	10,908	40	2,145	6,140	2,224,796	4,389,630	4,155,417	234,213	10,406,192	6,016,562
Cuyahoga Falls	19,797	21	653	4,533	1,152,567	2,352,534	2,244,990	107,544	4,761,171	2,408,637
Dayton	200,982	477	40,842	106,797	62,532,045	111,758,729	108,653,824	3,104,905	317,773,160	206,014,431
East Cleveland	39,667	34	3,478	5,312	4,099,780	9,206,040	9,006,259	199,781	18,940,523	9,734,483
East Liverpool	23,329	48	2,755	7,815	3,352,296	3,447,545	2,772,479	675,066	9,776,831	6,329,286
Elyria	25,633	61	4,989	24,135	7,221,483	22,186,276	21,347,584	838,692	37,945,810	15,759,534
Euclid	12,751	21	1,752	8,749	3,137,363	10,630,889	10,488,928	141,961	18,973,555	8,342,666
Findlay	19,363	56	2,141	10,415	2,348,624	7,830,237	7,439,399	390,838	15,948,521	8,118,284
Fostoria	12,790	35	2,329	13,732	3,238,444	8,067,750	7,638,246	429,504	14,985,652	6,917,902
Fremont	13,422	54	1,967	4,674	2,117,474	6,022,875	5,787,865	235,010	11,736,191	5,713,316
Garfield Heights	15,589	12	647	3,736	943,377	1,869,741	1,659,305	210,436	4,387,222	2,517,481
Hamilton	52,176	96	12,061	54,690	17,870,710	31,890,201	30,450,606	1,439,595	66,991,843	35,101,642
Ironton	16,621	36	1,592	10,876	1,904,511	4,023,439	2,795,748	1,227,691	7,942,990	3,919,551
Lakewood	70,509	46	2,124	4,283	2,927,510	9,388,634	9,223,599	165,035	19,094,819	9,706,185
Lancaster	18,716	45	3,332	8,239	3,581,684	7,607,923	6,827,586	780,337	15,842,537	8,234,614
Lima	42,287	72	4,548	13,030	5,666,171	16,203,876	15,572,221	631,655	29,595,853	13,391,977
Mansfield	33,525	88	5,009	25,747	7,131,618	18,608,170	17,878,011	730,159	37,583,900	18,975,730
Marietta	14,285	54	848	3,961	939,762	2,673,288	2,563,652	109,636	6,870,117	4,196,829
Marion	31,084	54	4,197	23,455	6,004,159	15,824,230	15,161,269	662,961	30,460,161	14,635,931
Martins Ferry	14,524	23	2,684	13,481	3,999,326	17,709,924	16,942,841	767,083	24,420,375	6,710,451
Massillon	26,400	49	4,293	13,006	8,223,986	22,053,992	20,464,497	1,589,525	40,356,803	18,302,811
Middletown	29,992	50	6,752	102,416	9,978,983	36,218,692	33,348,125	2,870,567	68,207,563	31,988,871
Newark	30,596	62	4,865	16,632	6,730,576	9,261,625	8,213,080	1,048,545	21,663,211	12,401,586
New Philadelphia	12,365	29	1,642	7,957	2,171,225	5,404,934	5,094,326	310,608	9,158,632	3,753,698
Niles	16,314	31	3,616	24,034	7,186,618	16,415,426	15,171,766	1,243,660	31,652,377	15,236,951
Norwood	33,411	82	10,626	23,627	14,156,682	71,107,988	70,478,989	628,999	118,076,404	46,968,416
Painesville	10,944	19	501	1,228	741,144	1,815,585	1,764,969	50,616	3,415,521	1,599,936
Piqua	16,009	43	3,228	7,348	3,577,501	11,159,795	10,916,599	243,196	19,848,618	8,688,823
Salem	10,622	30	2,133	10,247	3,946,176	5,231,586	4,971,465	260,121	12,537,674	7,306,088
Sandusky	24,622	79	2,495	15,346	3,273,922	6,605,430	6,053,882	551,548	14,809,627	8,204,197
Springfield	68,743	158	12,003	33,769	16,955,139	57,160,431	56,059,587	1,100,844	110,223,105	53,062,674
Steubenville	35,422	43	4,314	146,792	6,972,896	22,929,616	20,573,156	2,356,460	37,025,145	14,095,529
Tiffin	16,428	54	2,341	5,585	3,096,166	4,709,939	4,206,947	442,992	12,258,247	7,548,308
Toledo	290,718	586	49,090	174,230	72,481,194	233,185,497	223,144,149	10,041,348	429,599,926	196,414,429
Warren	41,062	57	3,906	23,491	5,921,373	17,597,920	16,736,308	861,612	36,427,889	18,829,969
Wooster	10,742	35	801	5,180	1,087,590	2,469,013	2,369,956	99,057	5,719,059	3,250,046
Xenia	10,507	26	912	3,487	876,185	2,524,416	2,442,050	82,366	4,824,381	2,299,965
Youngstown	170,002	140	20,543	427,021	37,001,679	170,012,074	145,026,217	24,985,857	264,520,034	94,507,960
Zanesville	36,440	70	4,680	16,207	6,361,118	9,917,924	8,775,683	1,142,241	25,318,285	15,400,361

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Cleveland Industrial Area comprises Cuyahoga and Lorain Counties. For statistics by industries for the area and for Cuyahoga County, see Table 13.
[4] The Cincinnati Industrial Area comprises Hamilton and Butler Counties, Ohio, and Campbell and Kenton Counties, Ky. For statistics by industries for the area and for Hamilton and Butler Counties, see Table 13.
[5] The Youngstown Industrial Area comprises Mahoning and Trumbull Counties, Ohio, and Mercer and Lawrence Counties, Pa. For statistics by industries for the area and for Mahoning and Trumbull Counties, see Table 13.
[6] For statistics by industries for this area, see Table 13.
[7] The Wheeling Industrial Area comprises Belmont, Columbiana, and Jefferson Counties, Ohio, and Hancock, Brooke, and Ohio Counties, W. Va. For statistics by industries for the area and for Belmont, Columbiana, and Jefferson Counties, see Table 13.
[8] Statistics are presented for each county for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining two counties ("All other counties"). Each of the counties for which combined figures are given, however, reported a larger number of wage earners and a larger value of products than some of those shown separately.
[9] For statistics by industries for this county, see Table 13.
[10] See footnote 8.
[11] Not including Campbell, Chillicothe, Lorain, Parma, Portsmouth, Shaker Heights, and Struthers, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments located either in the cities or outside the cities but within the counties in which the cities are situated.
[12] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	839,289	713,721	145,568	5,904	5,653	251	[2] 10,694	[2] 10,260	[2] 434	[2] 101,548	[2] 69,973	[2] 31,575	741,143	[2] 627,835	[2] 113,308
1919 [1] [4]	882,918	739,167	143,751	12,823	12,292	531	9,825	9,540	285	129,337	91,667	37,670	730,733	623,668	105,065
1914 [4]	606,807	512,621	94,186	13,624	13,001	623	7,114	6,945	169	75,634	58,033	17,601	510,435	434,642	75,793
1909	523,004	439,811	83,193	14,719	14,141	578	6,371	6,258	113	54,980	44,043	10,937	446,934	375,369	71,565

[2] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 1,203; male, 1,185; female, 18. Other salaried officers and employees—total, 15,715; male, 10,525; female, 5,190. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	741,143	722,067	746,203	753,905	765,739	**771,684**	766,768	762,402	755,491	738,748	740,542	690,832	*658,235*	85.3
1919 [1]	730,733	714,195	698,911	694,564	688,040	*687,685*	710,157	740,188	768,579	773,510	740,570	761,688	**790,881**	87.0
1914 [1]	510,435	511,055	524,663	534,537	533,186	523,653	518,316	506,133	506,991	510,057	501,396	478,412	*476,841*	89.2
1909 [1]	446,934	*414,278*	421,945	422,343	432,825	436,450	444,998	433,241	448,898	465,351	474,445	476,023	**450,405**	86.2

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	11,855	741,143	45 and over but under 48	595	49,518
			48	2,090	168,608
Not reported	1,228	3,161	Over 48 but under 54	2,781	251,580
Under 40	157	2,570	54	763	30,460
40	252	19,422	Over 54 but under 60	1,071	117,641
Over 40 but under 44	75	1,782	60 and over	1,022	24,871
44 and over but under 45	1,521	71,530			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	11,855	16,125	15,138	741,143	730,733	446,934	51 to 100	868	935	733	62,422	66,641	52,186
							101 to 250	796	799	635	122,917	125,932	98,905
No wage earners	336	2,028	1,521				251 to 500	312	312	199	109,621	110,104	69,553
1 to 5	4,729	7,092	7,320	13,096	16,393	17,097	501 to 1,000	161	168	105	110,423	118,061	70,883
6 to 20	3,031	3,096	3,163	33,408	34,943	35,261	1,001 to 2,500	67	80	33	98,241	205,271	56,089
21 to 50	1,532	1,615	1,429	50,907	53,388	46,960	2,501 and over	23			140,108		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	11,855	16,125	15,138	741,143	730,733	446,934	$6,027,903,137	$5,100,308,728	$1,437,935,817	$2,889,804,303	$2,188,360,857	$613,733,870
Less than $5,000	(2)	3,192	5,095	(2)	2,102	7,021	(2)	8,120,780	12,198,229	(1)	5,074,894	7,811,667
$5,000 to $19,999	3,418	4,452	4,474	8,526	12,089	23,571	39,222,865	49,105,812	46,028,999	24,212,413	27,477,990	26,309,694
$20,000 to $99,999	4,026	4,270	3,405	35,906	44,277	64,853	221,756,021	201,110,443	156,080,099	144,621,232	100,752,506	76,806,053
$20,000 to $49,999	2,438	(2)	(2)	14,995	(2)	(2)	78,186,600	(2)	(2)	46,528,734	(2)	(2)
$50,000 to $99,999	1,588	(2)	(2)	20,911	(2)	(2)	143,569,421	(2)	(2)	98,092,498	(2)	(2)
$100,000 to $499,999	2,692	2,674		107,697	123,388		626,476,410	607,923,301		352,545,984	298,904,714	
$100,000 to $249,999	1,697	(1)		47,650	(2)		274,526,410	(2)		157,590,892	(2)	
$250,000 to $499,999	995	(2)	1,919	60,047	(2)	208,656	351,950,000	(2)	557,384,719	194,955,092	(2)	258,737,951
$500,000 to $999,999	703	673		80,163	85,097		499,804,180	475,436,292		263,776,100	227,190,031	
$1,000,000 and over	1,016	864	245	508,851	463,780	142,833	4,640,643,561	3,758,612,100	666,243,771	2,104,648,574	1,528,960,722	244,068,505
$1,000,000 to $2,499,999	600	(1)	(1)	126,752	(2)	(2)	925,444,169	(2)	(2)	477,464,799	(2)	(2)
$2,500,000 to $4,999,999	223	(2)	(2)	94,266	(2)	(2)	841,159,423	(2)	(2)	432,631,349	(2)	(2)
$5,000,000 and over	193	(2)	(2)	287,833	(2)	(2)	2,874,039,969	(2)	(2)	1,194,552,426	(2)	(2)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	11,855	16,125	741,143	730,733	$6,027,903,137	$5,100,308,728	$2,889,804,303	$2,188,360,857
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	6,784	6,766	704,505	673,849	5,799,974,837	4,790,633,085	2,771,664,174	2,053,180,117
Other forms of ownership or control (individual, partnership, etc.)	5,071	9,359	36,638	51,884	227,928,300	309,675,643	118,140,129	135,180,740
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	1,603	(1)	367,095	(1)	3,279,821,142	(1)	1,425,862,438	(1)
Independent (single-unit)	10,252	(1)	374,048	(1)	2,748,081,995	(1)	1,463,941,865	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	4,340,575	2,095,138	3,713	1,041,497	752	930,286	817	119,560	172	13,795	225,287	2,245,437	70,763	1,499,435
1927	3,734,761	1,909,426	3,909	965,862	629	785,708	916	123,096	100	4,760	176,173	1,825,335	65,636	1,316,392
1925	3,432,618	1,901,435	4,368	1,137,009	716	623,083	1,006	133,215	173	8,065	146,574	1,551,183	58,378	1,151,619
1919[1]	2,885,007	1,939,666	7,159	1,407,558	572	374,954	2,757	147,039	295	10,115	82,889	945,341	46,219	819,383
1914[1]	1,985,950	1,712,136	[2] 8,346	[3] 1,541,212	(4)	(4)	4,039	156,451	333	14,445	31,450	273,514	34,687	549,156
Industrial Areas														
Cleveland Area (Cuyahoga and Lorain Counties)	989,227	490,743	547	213,884	169	268,283	97	37,607	9	899	63,545	498,484	12,373	370,485
Cincinnati Area, total	475,196	190,704	484	115,165	55	67,961	88	4,295	7	3,283	33,327	284,492	12,275	140,886
Portion in Ohio (Hamilton and Butler Counties)	436,148	172,915	451	105,710	79	60,201	77	3,721	7	3,283	31,053	263,233	11,649	133,315
Portion in Kentucky (Campbell and Kenton Counties)	39,048	17,789	33	9,455	6	7,760	11	574	------	------	2,274	21,259	626	7,571
Youngstown Area, total	1,171,241	722,846	799	420,432	217	251,620	73	46,687	32	4,707	18,233	445,395	14,083	411,099
Portion in Ohio (Mahoning and Trumbull Counties)	812,414	526,008	470	286,798	140	193,123	33	41,706	20	4,381	12,164	286,406	9,014	300,772
Portion in Pennsylvania (Mercer and Lawrence Counties)	358,827	196,838	329	133,634	77	58,497	40	4,381	12	326	6,069	161,989	5,069	110,327
Akron Area (coextensive with Summit County)	323,460	172,321	192	30,514	86	139,327	16	1,199	14	1,281	11,685	151,139	7,602	162,823
Toledo Area (coextensive with Lucas County)	201,483	59,737	122	15,453	17	43,284	20	850	2	150	17,774	141,746	1,301	31,612
Wheeling Area, total	446,601	265,965	312	162,231	52	96,690	71	7,044	------	------	9,927	180,636	6,408	231,035
Portion in Ohio (Belmont, Columbiana, and Jefferson Counties)	269,912	140,897	236	120,880	28	16,770	39	3,747	------	------	5,820	129,015	2,857	78,979
Portion in West Virginia (Hancock, Brooke, and Ohio Counties)	176,689	125,068	76	41,351	24	79,920	32	3,297	------	------	4,107	51,621	3,551	152,056
Dayton Area (coextensive with Montgomery County)	117,896	33,233	75	[4] 10,725	16	22,006	9	502	1	(4)	16,088	84,663	2,653	24,272
Counties in which aggregate horsepower exceeded 25,000: 1929														
Butler	173,384	98,668	77	44,589	35	50,319	9	477	7	3,283	3,555	74,716	4,504	75,542
Clark	36,381	11,580	29	7,681	5	1,770	22	2,159	65	570	3,137	24,801	843	8,181
Columbiana	49,586	23,077	89	20,343	11	1,072	20	1,662	------	------	2,885	26,509	213	2,581
Cuyahoga	782,808	315,108	349	128,522	121	166,039	80	16,628	9	869	61,412	467,700	8,229	261,382
Erie	25,822	8,597	31	3,999	2	4,330	10	268	------	------	1,374	16,925	310	7,725
Franklin	111,018	23,721	95	22,824	2	1,900	28	1,827	------	------	11,222	85,297	2,365	28,101
Greene	25,854	21,662	12	1,098	5	20,219	3	345	------	------	334	3,722	570	24,376
Hamilton	262,764	74,247	374	61,121	44	9,882	65	3,244	------	------	27,498	188,517	7,145	57,773
Jefferson	198,352	104,772	107	90,775	11	13,463	6	534	------	------	2,015	93,580	2,075	69,349
Lake	43,488	26,931	64	[5] 9,346	17	17,573	2	12	1	[5]	876	16,537	1,066	19,693
Lorain	206,419	175,635	198	85,462	48	69,194	17	20,979	------	------	2,136	30,784	4,144	109,103
Lucas	201,483	59,737	122	15,453	17	43,284	20	850	2	150	17,774	141,746	1,301	31,612
Mahoning	576,152	464,712	382	257,227	102	162,408	23	40,696	20	4,381	5,162	111,440	7,327	235,799
Montgomery	117,896	33,233	75	[4] 10,725	16	22,006	9	502	1	(4)	16,088	84,663	2,653	24,272
Muskingum	32,225	21,133	51	10,539	5	9,750	17	622	3	222	1,504	11,095	953	22,023
Richland	51,309	1,654	8	1,631	1	1,033	1	[5]	------	------	4,014	49,625	366	4,516
Scioto	63,239	55,078	63	19,345	32	34,967	10	763	------	------	1,474	13,151	1,240	45,021
Stark	281,115	55,822	111	25,482	42	55,595	23	1,220	6	225	9,657	195,293	4,051	112,908
Summit	323,460	172,321	192	30,514	86	139,327	16	1,199	14	1,281	11,685	151,139	7,602	162,823
Trumbull	236,262	61,296	88	29,571	38	30,715	10	1,010	------	------	7,002	174,966	1,657	64,973
Tuscarawas	40,663	23,075	107	[6] 22,595	1	[6]	14	402	3	81	1,498	17,585	628	7,342
Wayne	28,373	15,746	32	8,689	15	5,950	16	1,107	------	------	1,013	12,627	493	3,606

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.
[5] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.
[6] Item for steam turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 8 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	4,340,575	2,095,138	2,245,437	1,499,435
Adams	395	231	164	
Allen	21,717	12,833	8,884	16,771
Ashland	5,902	978	4,924	1,150
Ashtabula	18,418	8,000	10,418	4,748
Athens	4,994	2,197	2,797	130
Auglaize	9,610	4,802	4,808	915
Belmont	21,974	13,048	8,926	7,049
Brown	464	406	58	10
Butler	173,384	98,668	74,716	75,542
Carroll	6,264	2,986	3,278	661
Champaign	5,204	3,394	1,810	100
Clark	36,381	11,580	24,801	8,181
Clermont	1,443	908	535	88
Clinton	1,586	210	1,376	
Columbiana	49,586	23,077	26,509	2,581
Coshocton	7,275	2,601	4,674	1,584
Crawford	11,192	2,911	8,281	1,750
Cuyahoga	782,808	315,108	467,700	261,382
Darke	2,249	773	1,476	
Defiance	5,292	1,537	3,755	178
Delaware	2,419	1,118	1,301	260
Erie	25,522	8,597	16,925	7,725
Fairfield	11,869	2,459	9,410	630
Fayette	2,331	1,187	1,144	40
Franklin	111,018	25,721	85,297	28,101
Fulton	2,546	679	1,867	292
Gallia	889	494	395	
Greene	25,384	21,662	3,722	24,376
Guernsey	9,688	8,103	1,585	2,963
Hamilton	262,764	74,247	188,517	57,773
Hancock	14,626	4,203	10,423	571
Hardin	3,840	1,049	2,791	
Harrison	780	507	273	
Henry	1,734	686	1,048	
Highland	3,136	2,127	1,009	1,102
Hocking	6,818	3,716	3,102	2,250
Holmes	2,617	937	1,680	346
Huron	6,715	2,500	4,215	900
Jackson	12,157	10,619	1,538	1,132
Jefferson	198,352	104,772	93,580	69,349
Knox	6,583	3,107	3,476	2,595
Lake	43,488	26,931	16,557	19,693
Lawrence	20,862	10,331	10,531	6,730
Licking	19,459	8,543	10,916	2,864
Logan	2,936	1,899	1,037	608
Lorain	206,419	175,635	30,784	109,103
Lucas	201,483	59,737	141,746	31,612
Madison	1,083	529	554	46
Mahoning	576,152	464,712	111,440	235,799
Marion	24,974	4,188	20,786	931
Medina	9,071	4,423	4,648	1,684
Meigs	2,919	1,311	1,608	75
Mercer	3,842	3,013	829	2,073
Miami	16,303	8,057	8,246	4,209
Monroe	446	179	267	
Montgomery	117,896	33,233	84,663	24,272
Morgan	650	597	53	
Morrow	693	607	86	918
Muskingum	32,228	21,133	11,095	22,023
Noble	296	280	16	
Ottawa	9,210	3,053	6,157	5,008
Paulding	1,723	1,430	293	785
Perry	5,740	3,068	2,672	1,373
Pickaway	4,080	2,263	1,817	[2]
Pike	491	414	77	
Portage	18,001	4,900	13,101	346
Preble	684	180	504	
Putnam	1,437	1,113	324	964
Richland	51,309	1,684	49,625	4,516
Ross	24,584	23,321	1,263	17,312
Sandusky	15,793	1,973	13,820	181
Scioto	68,259	55,078	13,181	46,021
Seneca	17,532	1,495	16,037	350
Shelby	4,527	393	4,134	
Stark	281,115	85,822	195,293	112,908
Summit	323,460	172,321	151,139	162,823
Trumbull	236,262	61,296	174,966	64,973
Tuscarawas	40,663	23,078	17,585	7,342
Union	1,350	652	698	240
Van Wert	2,453	580	1,873	[2]
Warren	11,654	5,488	6,166	1,779
Washington	5,429	813	4,616	142
Wayne	28,373	15,746	12,627	5,606
Williams	2,603	691	1,912	118
Wood	20,317	15,295	5,022	20,268
Wyandot	2,363	1,252	1,111	250
All other counties (Geauga and Vinton)	2,037	1,663	374	300

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately to avoid disclosing data for individual establishments.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	30,000,680	$97,230,592	28,507,532	28,735,698	25,621,508	13,975,994	11,850,966
Anthracite (tons, 2,240 lbs.)	140,657	598,538	[3]	202,038	108,606	43,198	80,860
Bituminous (tons, 2,000 lbs.)	29,843,144	96,632,054	[3]	28,509,415	25,499,869	13,927,612	11,760,403
Coke (tons, 2,000 lbs.)	10,691,089	44,536,573	[4]	[4]	8,640,711	6,267,433	6,745,934
Fuel oils, including crude oils and gas oils (gallons) [5]	283,786,513	12,627,051	[4]	[4]	77,156,226	28,486,038	17,698,842
Gasoline and kerosene (gallons) [5]	4,639,583	663,929	[4]	[4]	7,919,226		
Gas, natural (M cu. ft.)	36,087,845	13,475,597	[4]	[4]	45,014,790	50,092,157	42,828,139
Gas, manufactured (M cu. ft.)	221,136,594	10,264,696	[4]	[4]			
Other fuels		1,652,123	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	3,080,039,560	41,523,862	[6]	[4]	[4]	[4]	[4]
			Cost	Cost	Cost	Cost	Cost
Total cost of fuel and purchased energy		[7] 221,974,423	$215,141,741	[8]	$182,914,254	$59,335,812	$50,117,773

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Horsepower (rated capacity) of power equipment: Prime movers	Horsepower (rated capacity) of power equipment: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [1]
						Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
All industries, total	11,855	[4] 112,242	741,143	2,095,138	2,245,437	[1] 302,013,905	1,102,166,499	2,919,341,176	218,757,658	6,027,903,137	2,889,804,303
Agricultural implements	19	277	1,674	2,245	3,707	561,991	2,165,926	4,320,817	166,313	11,424,555	6,937,455
Aircraft and parts	10	364	966		989	958,559	1,559,897	2,112,074	52,738	5,737,878	3,573,066
Aluminum manufactures	28	537	3,333	805	10,724	1,244,505	5,020,092	12,926,570	599,908	24,252,851	10,726,373
Artificial and preserved flowers and plants	5	5	33		4	20,284	27,680	87,913	219	281,082	192,950
Asbestos products, other than steam packing and pipe and boiler covering	7	31	230	10	1,224	107,010	316,231	616,619	20,698	1,819,871	1,182,554
Awnings, tents, sails, and canvas covers	46	214	756	7	630	516,976	827,137	2,771,740	38,019	5,129,134	2,319,375
Bags, other than paper, not made in textile mills	9	34	285		243	86,454	285,762	3,455,762	12,817	3,984,533	515,954
Bags, paper, exclusive of those made in paper mills	14	146	1,075	300	1,566	503,801	1,108,677	6,461,183	69,893	10,743,189	4,212,113
Baskets and rattan and willow ware, not including furniture	23	37	524	513	713	82,923	484,090	272,786	10,894	1,071,505	787,825
Belting, leather	14	34	85	63	170	122,433	141,705	581,135	7,061	1,097,612	509,416
Beverages	228	415	1,445	4,760	6,120	1,028,911	2,009,792	4,296,987	297,027	11,642,262	7,048,248
Blacking, stains, and dressings	6	9	15		34	66,217	17,587	55,631	1,785	293,647	206,231
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	24	579	5,738	4,972	21,282	2,061,908	7,935,972	13,534,582	752,414	33,853,705	19,566,709
Bookbinding and blank-book making	57	121	891		991	372,211	1,136,315	1,327,797	36,865	4,062,171	2,697,509
Boot and shoe findings, not made in boot and shoe factories	12	53	431	135	1,061	105,657	455,078	624,939	32,712	1,467,889	810,238
Boots and shoes, other than rubber	43	1,100	12,258	2,949	5,316	2,508,592	12,300,137	26,736,476	224,754	51,013,079	24,051,849
Boxes, cigar, wooden	13	10	242	110	226	49,723	163,967	237,795	7,442	625,498	380,261
Boxes, paper, not elsewhere classified	71	439	3,846	1,215	8,133	1,300,452	4,227,200	13,495,706	299,628	23,496,427	9,701,093
Boxes, wooden, except cigar boxes	46	144	1,406	2,390	3,227	484,406	1,567,115	3,675,874	61,329	7,378,886	3,641,683
Bread and other bakery products	1,321	1,201	13,567	1,040	22,738	2,854,274	18,496,979	49,548,205	2,057,070	103,235,031	51,629,756
Brooms	26	22	210	62	221	53,753	219,552	438,627	7,368	977,636	531,641
Brushes, other than rubber	19	171	564	285	1,943	584,826	711,302	1,802,095	23,392	4,276,355	2,450,898
Butter	118	426	1,195	1,859	8,713	850,361	1,530,296	35,050,633	338,560	42,774,340	7,385,147
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	106	333	2,450	6,036	3,871	712,968	1,890,076	11,951,400	180,303	18,952,074	6,820,371
Car and general construction and repairs, electric-railroad repair shops	43	124	1,879		3,544	244,752	3,003,545	2,232,561	99,185	5,587,106	3,255,360
Car and general construction and repairs, steam-railroad repair shops	137	2,551	25,523	26,226	51,001	6,601,014	45,076,646	33,146,971	2,006,988	86,980,386	51,826,427
Card cutting and designing	7	54	256		289	213,429	269,612	458,972	10,745	1,489,865	1,020,148
Carriages and sleds, children's	6	191	2,083	590	1,889	506,119	2,707,535	3,667,240	121,832	8,365,249	4,576,177
Carriages, wagons, sleighs, and sleds	6	26	114	250	274	70,316	152,035	406,644	10,576	825,208	407,988
Cars, electric and steam railroad, not built in railroad repair shops	11	333	1,281	2,302	14,023	743,207	1,984,325	4,462,894	234,488	8,153,207	3,455,825
Caskets, coffins, burial cases, and other morticians' goods	35	256	1,755	1,340	4,810	761,942	2,433,646	6,257,535	144,414	14,796,953	8,395,004
Cheese	36	11	78	317	147	43,297	99,547	722,690	13,010	1,258,009	522,309
Chemicals, not elsewhere classified	49	654	4,322	46,800	11,225	1,896,364	6,807,858	20,417,400	2,980,242	46,286,616	22,888,974
Chewing gum	4	43	103		449	101,257	85,193	501,793	13,221	989,871	474,857
Cigars and cigarettes	107	167	6,193		735	410,076	3,955,792	7,097,387	68,300	16,548,864	9,383,177
Clay products (other than pottery) and nonclay refractories	238	1,180	17,060	37,350	41,290	2,905,163	19,815,470	5,276,973	7,560,213	47,602,077	34,764,891
Cleaning and polishing preparations	52	200	287	15	990	595,423	322,002	2,822,391	33,704	7,562,612	4,706,517
Clocks, clock movements, time-recording devices, and time stamps	6	56	431		419	172,263	608,039	653,024	19,886	1,770,364	1,097,454
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	130	1,275	13,215	1,520	2,666	3,742,096	16,553,067	36,137,435	241,607	68,788,120	32,409,078
Clothing, men's, buttonholes	5	4	86		42	9,455	92,079	20,170	222	163,962	143,570
Clothing, women's, not elsewhere classified	143	827	6,035	48	1,290	2,355,476	6,525,593	19,227,621	100,901	38,536,243	19,207,721
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	21	112	1,682		513	304,849	1,276,881	3,553,118	26,132	6,167,925	2,588,675
Cloth sponging and refinishing	5	13	57		54	41,205	84,365	8,027	4,703	243,308	230,578
Coffee and spice, roasting and grinding	54	291	890	456	3,424	745,713	994,862	24,824,962	153,440	32,387,238	7,408,836
Coke, not including gas-house coke	16	408	2,967	34,316	9,172	1,109,580	5,462,549	2,363,411	42,770,783	61,884,849	16,750,655
Compressed and liquefied gases	35	294	369	247	8,432	616,982	629,151	1,089,743	437,576	5,691,854	4,164,535
Concrete products	205	177	976	385	3,218	401,656	1,334,290	1,762,449	86,707	5,270,188	3,421,032
Condensed and evaporated milk	43	73	412	3,125	3,087	177,838	518,164	7,782,125	201,328	10,066,014	2,082,561
Confectionery	122	437	2,973	757	5,440	1,100,799	2,711,397	10,775,911	245,146	18,928,428	7,904,371
Cooperage	42	39	459	712	293	120,404	583,298	2,263,097	13,995	3,425,689	1,148,597
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	142	1,063	4,486	1,262	10,272	2,638,011	6,097,090	27,304,605	296,102	42,494,583	14,893,876
Cordage and twine	5	33	675	700	2,816	77,016	611,591	2,383,916	80,402	4,165,771	1,701,453
Cutlery (not including silver and plated cutlery) and edge tools	18	138	1,026	95	2,009	339,787	1,032,873	586,442	80,085	3,135,924	2,469,397
Dairymen's supplies: creamery, cheese-factory, butter-factory equipment; and poultrymen's and apiarists' supplies	12	191	676	630	849	435,865	890,883	2,421,032	38,232	7,014,513	4,555,249
Dental goods and equipment	6	84	436	125	389	277,818	563,064	808,209	26,782	2,902,414	2,067,453
Doors, shutters, and window sash and frames, metal	8	241	1,003	10	3,753	633,458	1,614,020	3,158,501	73,546	8,879,156	5,647,109
Druggists' preparations	25	176	417	303	673	429,115	408,158	1,706,619	24,442	3,966,005	2,235,944
Dyeing and finishing textiles	12	88	586	3,012	2,454	352,949	764,051	2,239,906	142,145	4,583,685	2,201,634
Electrical machinery, apparatus, and supplies	211	6,956	36,267	7,069	78,454	16,826,022	46,170,298	102,544,516	2,793,839	264,359,741	159,021,386
Electroplating	46	99	676	20	3,163	299,946	1,058,544	289,192	92,744	2,292,584	1,910,648
Embroideries	7	6	55		28	26,450	69,776	128,647	1,458	298,340	168,235
Emery wheels and other abrasive and polishing appliances	9	66	325	235	479	173,483	321,907	869,039	48,873	2,108,161	1,190,249
Engines, turbines, tractors, and water wheels	25	787	4,742	8,790	11,456	2,549,484	7,527,276	18,684,016	457,901	40,417,797	21,275,880
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	7	6	20	1	23	12,911	36,737	22,318	1,227	135,535	111,990

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Engraving, steel and copperplate, and plate printing	25	112	478		413	283,192	608,007	484,235	15,204	1,894,677	1,395,238
Envelopes	12	170	1,648	375	1,271	444,905	1,800,401	5,030,118	48,447	9,145,795	4,067,230
Explosives	9	10	184	159	1,996	39,666	236,528	589,807	49,323	1,618,618	979,488
Fancy and miscellaneous articles, not elsewhere classified	16	43	234		52	109,586	190,337	433,234	5,845	1,169,996	730,917
Feeds, prepared, for animals and fowls	34	281	464	975	7,789	678,156	631,866	18,720,760	129,225	22,993,466	4,143,481
Fertilizers	23	206	969	200	10,408	616,148	1,264,397	9,249,424	142,069	14,188,563	4,797,070
Files	6	45	485		1,746	96,461	552,100	666,841	56,805	1,941,608	1,217,962
Flags and banners	5	15	99	120	121	39,937	102,669	123,477	4,986	333,460	204,997
Flavoring extracts and flavoring sirups	45	121	299	633	568	369,456	415,525	3,382,316	55,036	6,814,970	3,377,618
Flour and other grain-mill products	200	347	1,062	15,131	13,945	823,696	1,461,480	32,793,250	486,199	41,289,508	8,010,059
Food preparations, not elsewhere classified	43	85	494	168	895	191,043	430,879	2,812,302	60,205	4,377,299	1,504,792
Forgings, iron and steel, not made in plants operated in connection with rolling mills	38	537	4,854	7,370	27,138	2,086,941	7,754,237	13,189,229	1,864,551	33,487,271	18,433,491
Foundry and machine-shop products, not elsewhere classified	857	11,233	61,453	32,204	271,935	31,941,055	97,224,406	147,607,048	9,264,795	398,471,144	241,599,301
Foundry supplies	14	80	195	500	1,839	277,389	294,719	2,168,691	51,206	3,551,353	1,331,458
Fur goods	34	57	198		57	87,933	353,699	1,199,131	8,932	2,102,718	894,655
Furnishing goods, men's, not elsewhere classified	16	69	865		138	279,645	798,373	2,573,233	12,542	4,727,438	2,141,683
Furniture, including store and office fixtures	211	2,037	10,707	9,730	20,379	5,201,970	14,067,942	25,590,598	677,582	60,576,681	34,308,501
Galvanizing and other coating, not done in plants operated in connection with rolling mills	6	13	64		195	44,167	94,086	128,527	20,710	376,065	226,828
Gas and electric fixtures; lamps, lanterns, and reflectors	39	374	3,202	74	8,566	1,290,084	4,080,918	8,036,626	218,256	19,005,904	10,751,022
Gas machines, gas meters, and water and other liquid meters	8	273	396		736	631,953	579,573	732,586	27,003	2,688,597	1,929,008
Gas, manufactured, illuminating and heating	10	140	203	1,035	2,259	204,449	285,249	220,184	404,075	2,720,225	2,095,966
Glass	25	654	9,491	17,351	22,613	1,548,716	12,328,922	9,439,545	3,988,381	39,308,686	25,880,760
Glass products (except mirrors) made from purchased glass	36	90	708		1,229	218,620	852,404	1,950,582	42,895	3,749,164	1,755,687
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics	20	198	2,191	30	845	218,482	1,380,335	4,472,014	44,790	6,992,127	2,475,323
Grease and tallow, not including lubricating greases	32	84	558	1,324	3,479	252,040	791,255	2,474,747	190,259	4,666,627	2,001,621
Hand stamps and stencils and brands	25	81	175		254	179,646	269,249	252,886	10,544	1,048,110	784,680
Hardware not elsewhere classified	36	465	3,927	960	8,555	1,287,954	5,332,685	4,901,145	336,960	15,859,548	10,621,443
Hats and caps, except felt and straw, men's	31	79	368		93	174,835	408,339	1,099,109	8,036	2,234,709	1,127,555
Hats, fur-felt	5	23	66		37	89,150	105,163	357,808	2,060	535,338	175,970
House-furnishing goods, not elsewhere classified	36	136	584	375	780	319,829	552,953	2,202,173	25,426	4,200,057	1,972,458
Ice cream	174	500	1,432	4,360	13,645	1,188,915	2,272,028	9,285,598	542,459	20,775,800	10,947,743
Ice, manufactured	178	332	1,281	13,275	42,732	921,752	2,027,418	890,607	1,611,896	13,331,584	10,829,081
Ink, printing	14	234	411	1,480	1,434	715,576	673,165	3,201,237	128,999	7,274,708	3,944,472
Instruments, professional and scientific	12	68	377	25	399	151,615	435,226	309,657	19,401	1,488,914	1,159,856
Iron and steel: Blast furnaces	26	601	5,880	1,277,842	513,488	1,734,970	11,143,535	96,454,367	41,696,156	175,084,128	36,933,603
Iron and steel: Steel works and rolling mills	88	6,461	89,123			19,030,508	167,200,199	433,342,448	46,208,948	817,823,034	338,270,638
Iron and steel, processed	9	31	110		788	114,001	186,545	76,831	96,216	734,540	561,493
Jewelry	41	144	420		244	298,658	682,567	991,345	12,672	2,891,902	1,887,885
Knit goods	33	326	4,157	1,085	1,852	1,247,797	3,819,863	10,180,940	130,646	18,562,132	8,250,546
Labels and tags	8	105	964		1,082	428,024	1,446,582	2,373,387	33,694	6,413,004	4,005,923
Lasts and related products	4	34	224	250	575	75,383	305,578	171,244	17,663	660,044	471,137
Leather goods, not elsewhere classified	11	46	229		79	78,387	224,237	585,623	3,789	1,246,678	657,266
Leather: Tanned, curried, and finished	18	128	1,529	2,457	2,494	444,428	2,197,862	9,674,712	178,048	15,975,285	6,122,525
Lime	17	98	1,044	2,003	14,234	307,412	1,530,503	1,100,502	1,122,186	6,696,423	4,473,735
Lithographing	38	585	2,478	1,520	3,273	1,544,752	3,946,847	4,237,431	92,847	14,848,182	10,517,904
Lubricating oils and greases, not made in petroleum refineries	28	182	232	549	1,183	551,245	347,241	3,378,749	62,011	6,521,588	3,080,828
Lumber and timber products, not elsewhere classified	258	154	2,007	10,978	3,550	339,535	1,991,659	3,143,128	91,902	8,180,804	4,945,774
Macaroni, spaghetti, vermicelli, and noodles	15	28	179	35	529	76,869	166,131	645,466	24,110	1,242,166	572,590
Machine-tool accessories and small metal-working tools, not elsewhere classified	127	781	5,313	522	14,557	2,407,400	9,986,018	6,553,403	443,761	29,483,753	23,486,589
Machine tools	66	2,038	11,857	6,488	30,297	5,828,233	20,397,277	19,397,624	845,120	67,558,553	47,315,809
Marble, granite, slate, and other stone products	75	248	1,353	2,515	10,532	794,139	2,149,340	2,342,088	173,434	8,399,739	5,884,217
Mattresses and bed springs, not elsewhere classified	42	171	701	1,650	1,370	544,949	833,483	2,624,544	42,729	4,865,573	2,198,300
Meat packing, wholesale	120	1,370	5,825	12,996	11,438	3,556,541	8,265,999	139,114,492	827,608	163,155,787	23,213,687
Millinery	22	74	807		354	240,797	791,500	1,451,813	19,890	3,153,944	1,682,241
Minerals and earths, ground or otherwise treated	9	26	103	682	2,976	76,620	149,506	273,259	109,861	902,264	519,144
Mirror and picture frames	5	19	168		487	92,058	234,326	219,022	11,350	742,880	512,508
Mirrors, framed and unframed	16	49	209		430	156,676	312,159	530,514	20,336	1,292,784	741,934
Models and patterns, not including paper patterns	112	148	1,186	15	2,063	540,155	2,266,550	808,286	60,619	4,924,631	4,055,726
Motion pictures, not including projection in theaters	8	46	19		34	116,899	38,079	51,576	2,340	268,196	214,280
Motor-vehicle bodies and motor-vehicle parts	128	2,936	28,884	9,216	91,856	7,454,884	48,107,530	125,298,455	2,167,612	233,080,771	105,614,704
Motor vehicles, not including motorcycles	35	3,404	28,727	5,224	55,342	11,183,023	43,909,394	247,618,957	2,364,550	387,355,225	137,371,718
Mucilage, paste, and other adhesives, except glue and rubber cement	8	17	50	10	57	69,242	70,161	462,141	8,792	859,581	388,648
Musical instruments: Organs	6	15	99	15	193	52,586	146,115	132,765	6,712	448,868	310,391
Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills	3	15	127	118	384	64,063	165,117	456,763	22,148	929,767	450,856
Nonferrous-metal alloys and products, not including aluminum products	112	829	4,769	1,625	11,997	2,470,342	7,585,093	16,884,504	698,947	35,500,973	17,917,522
Oleomargarine, not made in meat-packing establishments	5	85	292	1,250	571	215,631	430,692	7,202,324	66,922	9,744,145	2,474,899
Optical goods	7	14	82		78	28,030	116,083	164,615	7,747	470,865	298,503
Paints and varnishes	106	1,657	3,103	1,950	17,152	5,239,218	4,645,604	33,293,690	598,984	63,686,060	29,793,386
Paper	53	929	9,321	103,595	49,193	3,558,896	13,160,017	44,201,961	4,093,414	80,558,443	32,263,068
Paper goods, not elsewhere classified	30	408	2,846	553	4,549	1,263,710	3,215,403	10,578,212	200,961	24,687,574	13,908,401
Patent or proprietary medicines and compounds	103	529	805	258	1,798	1,515,934	827,840	4,569,550	60,662	17,610,463	12,980,851
Paving material: Asphalt, tar, crushed slag, and mixtures	29	60	570	1,108	5,353	145,315	902,583	2,741,719	181,894	6,363,477	3,439,864
Perfumes, cosmetics, and other toilet preparations	36	187	469	25	636	672,745	529,704	2,274,571	24,670	7,653,768	5,354,527
Petroleum refining	12	379	2,510	9,190	9,367	911,588	3,863,448	57,861,722	1,503,131	68,470,077	9,105,224
Photo-engraving, not done in printing establishments	54	336	1,020		825	1,214,780	2,478,666	603,667	58,648	5,898,066	6,235,751

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	268	1,031	4,508	8,112	26,618	2,823,610	6,404,400	14,869,811	460,156	30,183,955	14,853,988
Plated ware	4	40	224	220	397	116,892	248,177	134,591	16,566	745,317	594,160
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	45	438	2,983	385	8,066	1,335,893	4,042,546	5,121,566	453,978	14,397,853	8,822,309
Pocketbooks, purses, and cardcases	7	45	314	----------	68	169,071	268,274	586,088	5,524	1,503,842	912,232
Pottery, including porcelain ware	92	923	11,642	6,095	14,804	2,523,673	13,663,727	7,185,437	2,482,330	35,486,435	25,818,668
Poultry killing, dressing, and packing, wholesale	15	30	114	40	148	60,063	125,800	1,647,668	8,847	2,126,824	470,309
Printing and publishing, book and job	839	2,529	10,188	1,086	13,888	7,878,301	16,183,746	18,576,046	606,430	68,999,968	49,517,432
Printing and publishing, music	6	123	4	----------	8	250,096	7,540	89,177	409	637,773	548,187
Printing and publishing, newspaper and periodical	552	8,226	11,069	4,382	23,044	16,815,685	19,400,115	32,066,105	809,787	132,386,949	99,511,057
Printing materials, not including type or ink	9	14	41	----------	100	44,665	61,451	65,870	5,105	343,831	272,856
Pulp goods	5	14	86	----------	260	56,438	99,901	306,017	11,971	555,007	237,019
Pumps (hand and power) and pumping equipment	36	1,023	3,841	1,143	6,824	2,219,909	5,229,284	9,688,516	346,405	25,691,623	15,656,702
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	6	69	237	120	537	255,712	291,474	1,042,313	14,916	2,248,082	1,190,853
Regalia, badges, and emblems	7	129	720	300	34	360,094	740,173	1,244,383	19,691	3,018,372	1,754,298
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint	9	58	330	----------	1,690	153,444	606,145	4,479,921	112,213	8,367,954	3,775,820
Rubber goods other than tires, inner tubes, and boots and shoes	81	971	6,707	9,817	41,232	2,529,125	8,047,174	14,918,895	1,298,477	33,911,784	17,694,412
Rubber tires and inner tubes	32	7,900	55,307	130,989	114,285	19,498,338	88,164,663	267,855,105	5,875,283	503,197,194	229,466,806
Saddlery and harness	12	21	96	170	157	36,032	110,577	304,492	7,138	591,241	279,611
Safes and vaults	11	418	1,826	2,065	5,009	1,078,079	2,753,907	3,870,198	140,333	12,018,295	8,007,764
Salt	5	81	526	7,105	40	273,640	743,063	1,150,903	419,811	3,968,163	2,397,449
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	33	112	436	75	2,088	382,220	724,984	6,464,646	74,667	8,736,536	2,197,223
Saws	7	49	145	8	625	118,841	223,950	160,009	23,873	555,407	371,525
Screw-machine products and wood screws	42	529	5,248	1,895	15,955	1,795,408	7,715,889	9,181,476	479,313	27,210,394	17,549,605
Ship and boat building, steel and wooden, including repair work	21	146	2,105	9,103	8,140	400,775	3,155,929	3,469,256	225,039	8,855,060	5,160,745
Shirts	23	200	1,881	----------	417	306,832	1,569,619	3,447,335	32,405	7,162,756	3,683,016
Signs and advertising novelties	109	546	2,593	870	2,655	1,284,121	3,264,083	3,396,509	183,401	14,419,093	8,869,183
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	10	38	146	----------	342	129,922	197,708	3,390,188	55,772	4,075,991	630,031
Soap	22	755	2,723	4,000	10,455	1,444,031	3,691,126	29,339,053	716,102	45,241,298	15,186,143
Sporting and athletic goods, not including firearms or ammunition	19	283	1,415	485	1,226	713,118	1,883,573	3,137,050	76,065	8,687,750	5,474,635
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	77	816	6,959	1,220	12,543	2,600,914	9,112,501	13,383,543	802,666	33,003,649	18,617,440
Stationery goods, not elsewhere classified	11	195	644	----------	836	481,903	848,083	1,625,080	31,765	4,652,601	2,995,756
Statuary and art goods, factory product	4	15	120	----------	47	69,179	172,268	68,870	5,267	473,030	398,893
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	11	75	462	93	4,549	177,509	789,389	2,085,328	124,644	4,008,161	1,798,189
Steam fittings and steam and hot-water heating apparatus	23	533	3,916	1,740	7,893	1,905,960	5,369,596	5,842,463	549,585	20,819,289	14,427,241
Steel barrels, kegs, and drums	13	112	1,044	900	3,539	536,669	1,569,020	6,914,807	100,247	11,012,254	3,997,200
Stereotyping and electrotyping, not done in printing establishments	31	165	819	240	3,174	541,572	1,593,274	905,387	110,232	4,612,769	3,597,150
Stoves and ranges (other than electric) and warm-air furnaces	84	1,231	9,776	5,180	14,595	3,330,476	13,994,059	19,037,794	916,079	52,031,706	32,077,833
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	105	2,493	7,464	3,272	33,977	7,381,642	12,449,145	31,766,613	667,562	74,245,979	41,811,804
Sugar, beet	5	41	311	6,763	926	96,923	399,183	2,166,217	160,907	3,396,051	1,068,927
Surgical and orthopedic appliances, including artificial limbs	25	106	422	18	117	241,185	311,042	672,116	7,221	2,481,279	1,801,942
Theatrical scenery and stage equipment	4	8	33	----------	71	21,700	52,394	72,044	1,375	237,158	163,739
Tin cans and other tinware, not elsewhere classified	19	284	2,551	2,212	4,248	675,209	2,957,553	11,887,206	167,545	19,165,927	7,111,176
Tools, not including edge tools, machine tools, files, or saws	40	314	1,933	2,930	6,250	973,434	2,521,284	3,950,714	292,921	11,344,962	7,101,327
Toys (not including children's wheel goods or sleds), games, and playground equipment	41	175	1,165	135	1,463	496,269	1,132,574	1,577,735	60,061	4,375,778	2,737,982
Trimmings (not made in textile mills) and stamped art goods for embroidering	14	17	134	4	40	46,039	141,689	121,293	4,198	481,110	355,619
Trunks, suitcases, and bags	27	92	401	120	640	265,376	533,169	1,109,103	23,894	2,306,295	1,173,298
Umbrellas, parasols, and canes	4	27	143	----------	26	90,645	139,209	519,153	3,930	838,087	315,004
Wall plaster, wall board, insuleting board, and floor composition	9	67	553	2,135	1,448	171,196	613,417	1,620,413	127,231	3,919,646	2,172,002
Washing machines, wringers, driers, and ironing machines, for household use	10	126	1,188	225	7,545	414,592	1,509,539	4,435,024	65,824	8,552,936	4,052,088
Waste	8	29	144	260	663	98,636	120,382	974,455	27,023	1,588,166	586,688
Window and door screens and weather strip	16	69	325	----------	1,154	220,795	472,097	711,686	23,638	2,076,194	1,340,870
Window shades and fixtures	33	39	231	----------	352	82,302	255,536	874,229	12,003	1,485,465	599,233
Wire, drawn from purchased bars or rods	8	147	1,511	----------	7,454	490,886	2,970,539	7,982,596	342,850	15,094,526	6,769,080
Wirework, not elsewhere classified	49	218	1,462	206	3,735	627,070	2,102,732	4,910,619	131,692	11,535,053	6,492,742
Wood preserving	12	70	636	1,475	1,039	237,665	863,461	9,698,185	82,817	11,950,094	2,169,092
Wood turned and shaped and other wooden goods, not elsewhere classified	48	172	1,206	3,239	2,993	413,631	1,347,643	2,090,775	64,179	5,092,121	2,937,167
Woolen goods	8	38	606	520	1,096	134,471	557,348	1,598,169	51,586	2,780,040	1,130,285
Other industries	233	6,161	41,191	101,422	98,688	16,143,199	60,338,151	163,921,954	6,859,156	393,015,064	222,233,954

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 16,918 employees of central administrative offices, with salaries aggregating $48,350,281. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Includes item for the "Pulp (wood and other fiber)" industry. All data for that industry except those for power are included in the "Other Industries" items in order to avoid disclosing the figures reported by an individual establishment.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each industrial area (See GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county in the State, with certain exceptions the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors (driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
CLEVELAND INDUSTRIAL AREA											
[This area comprises Cuyahoga and Lorain Counties]											
All industries, total	2,912	28,079	176,840	490,743	498,484	$82,084,226	$276,161,077	$708,633,968	$61,579,967	$1,505,490,392	$735,276,457
Artificial and preserved flowers and plants	5	5	33	-------	4	20,284	27,680	87,913	219	281,082	192,950
Awnings, tents, sails, and canvas covers	10	88	178	-------	105	220,474	217,037	428,766	9,364	1,018,557	580,427
Baskets and rattan and willow ware, not including furniture	4	10	144	-------	208	29,090	176,481	85,142	2,871	366,207	278,194
Beverages	35	101	366	1,017	1,268	203,695	494,214	943,916	76,324	2,682,497	1,662,257
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	15	484	5,031	4,972	17,937	1,780,858	6,970,825	11,263,241	627,885	28,291,206	16,400,080
Bookbinding and blank-book making	20	66	493	-------	492	196,299	656,634	523,899	18,498	2,023,236	1,480,839
Boxes, cigar, wooden	3	-------	14	-------	22	----------	14,169	16,970	577	39,745	22,198
Boxes, paper, not elsewhere classified	15	90	935	1,150	1,327	306,419	1,055,309	3,200,375	68,784	5,836,278	2,567,119
Boxes, wooden, except cigar boxes	10	36	383	400	974	128,080	466,326	947,802	14,159	1,843,017	881,056
Bread and other bakery products	339	273	3,752	375	5,160	684,465	5,343,472	13,385,648	556,293	28,166,791	14,224,850
Brushes, other than rubber	8	115	368	210	1,712	384,133	459,150	720,920	14,590	2,030,801	1,295,291
Butter	7	36	79	-------	2,242	67,676	125,078	2,966,463	21,754	3,575,182	586,965
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	10	75	431	490	886	128,206	297,376	4,412,769	39,176	5,865,894	1,413,949
Car and general construction and repairs, steam-railroad repair shops	12	491	4,374	9,863	4,042	1,255,296	8,121,987	6,141,485	291,990	15,814,066	9,380,591
Chemicals, not elsewhere classified	13	142	902	2,390	4,699	478,485	1,501,220	7,153,698	465,650	11,486,136	3,866,788
Cigars and cigarettes	13	20	333	-------	33	57,105	245,647	409,467	2,830	951,493	539,196
Clay products (other than pottery) and nonclay refractories	12	42	628	308	4,672	120,728	1,075,331	113,036	606,270	2,430,659	1,711,353
Cleaning and polishing preparations	26	72	93	-------	185	290,443	100,395	1,122,840	8,578	2,795,445	1,664,027
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	41	386	5,645	1,500	1,143	1,271,363	7,406,849	17,397,154	106,091	30,591,518	13,088,273
Clothing, women's, not elsewhere classified	92	552	3,759	-------	641	1,737,717	4,714,787	13,778,441	57,728	28,012,767	14,176,598
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	6	11	198	-------	40	26,328	154,568	444,733	3,197	806,552	358,622
Coffee and spice, roasting and grinding	11	56	160	-------	693	140,839	177,553	4,669,977	49,393	6,694,485	1,975,115
Coke, not including gas-house coke	4	142	1,013	11,022	-------	473,478	1,530,932	661,673	18,467,962	23,268,043	4,138,408
Compressed and liquefied gases	9	106	164	122	2,286	232,404	266,158	512,276	115,070	2,318,554	1,691,208
Concrete products	36	55	368	51	773	148,700	526,942	550,840	28,021	1,886,899	1,308,038
Confectionery	34	140	988	160	2,997	462,741	1,024,839	4,561,201	108,711	7,257,057	2,587,145
Cooperage	6	14	223	295	73	75,160	259,086	1,130,204	5,133	1,563,132	427,795
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	40	140	690	12	1,646	410,090	1,137,590	1,987,355	33,787	4,599,868	2,578,726
Electrical machinery, apparatus, and supplies	51	2,188	11,158	1,402	22,418	5,033,291	14,850,237	38,309,359	1,035,057	89,020,726	49,676,310
Electroplating	23	57	309	20	1,548	186,293	506,584	150,490	41,465	1,153,356	961,401
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	3	-------	3	1	5	----------	5,930	200	24	36,100	35,876
Engraving, steel and copperplate, and plate printing	12	32	148	-------	159	95,323	204,220	234,034	5,052	748,297	509,211
Fancy and miscellaneous articles, not elsewhere classified	8	24	120	-------	35	67,489	105,296	139,591	3,266	577,534	434,677
Feeds, prepared, for animals and fowls	4	13	25	-------	635	29,198	30,982	490,172	5,008	622,595	127,415
Flavoring extracts and flavoring syrups	12	54	109	125	265	149,418	139,734	916,162	7,765	2,152,465	1,228,538
Flour and other grain-mill products	6	27	85	80	1,981	60,025	132,861	3,359,373	55,368	3,952,739	537,998
Food preparations, not elsewhere classified	8	7	40	-------	151	10,991	43,572	433,283	7,423	610,878	170,172
Forgings, iron and steel, not made in plants operated in connection with rolling mills	18	211	1,775	2,600	12,129	913,567	3,188,480	5,597,471	886,275	14,909,811	8,426,065
Foundry and machine-shop products, not elsewhere classified	220	3,123	19,441	3,312	72,200	9,896,867	32,368,617	42,290,210	2,967,856	118,404,221	73,146,155
Fur goods	25	37	138	-------	46	61,654	257,691	900,210	4,918	1,541,780	636,652
Furniture, including store and office fixtures	47	349	2,067	450	3,737	1,052,567	3,028,726	5,126,073	111,662	12,252,852	7,015,117
Gas and electric fixtures; lamps, lanterns, and reflectors	18	171	1,071	-------	3,157	458,526	1,314,257	2,549,870	64,589	6,547,243	3,932,784
Grease and tallow, not including lubricating greases	5	23	151	190	1,423	73,492	264,900	576,774	50,466	1,369,414	742,174
Hand stamps and stencils and brands	9	45	101	-------	151	91,185	147,365	147,129	6,005	554,229	401,095
Hardware not elsewhere classified	7	156	1,274	260	2,707	369,945	1,808,842	1,070,758	150,903	4,680,750	3,459,089
Hats and caps, except felt and straw, men's	12	26	95	-------	44	64,209	113,365	308,964	2,580	656,378	344,834
House-furnishing goods, not elsewhere classified	12	29	103	-------	190	74,769	116,023	295,692	4,720	726,692	426,280
Ice cream	19	80	234	-------	3,001	156,880	424,074	1,781,362	84,842	4,267,185	2,500,981
Ice, manufactured	17	67	202	2,505	10,262	290,127	382,512	63,072	325,931	3,489,496	3,100,493
Instruments, professional and scientific	4	27	105	-------	148	73,329	165,736	117,544	7,574	620,863	495,745
Iron and steel: Blast furnaces	5	199	1,761	414,524	54,449	587,526	3,343,519	25,641,815	12,750,761	53,468,164	15,075,588
Iron and steel: Steel works and rolling mills	21	1,228	19,191			3,312,179	35,650,617	94,059,681	12,445,084	187,509,491	81,004,726
Iron and steel, processed	6	22	86	-------	707	89,962	148,558	56,573	80,272	582,587	445,742
Jewelry	13	18	70	-------	25	36,632	114,239	186,927	2,844	500,849	311,078
Knit goods	24	207	2,760	85	1,333	845,019	2,647,391	6,939,660	89,605	12,863,889	5,834,624
Lithographing	15	189	900	-------	1,368	573,958	1,752,588	1,335,915	32,984	5,719,637	4,350,738
Lubricating oils and greases, not made in petroleum refineries	18	108	121	31	639	352,743	193,183	2,344,723	30,541	4,349,015	1,973,751
Macaroni, spaghetti, vermicelli, and noodles	8	22	138	-------	426	69,583	123,808	511,510	16,963	982,506	454,033
Machine-tool accessories and small metal-working tools, not elsewhere classified	56	410	2,531	452	10,216	1,160,120	4,452,801	2,973,382	264,706	15,012,847	11,774,759
Machine tools	19	580	3,696	615	9,763	1,554,054	6,634,323	6,555,129	232,180	23,204,289	16,416,980

See footnotes at end of this section, p. 408.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
CLEVELAND INDUSTRIAL AREA—Continued											
Marble, granite, slate, and other stone products	21	93	647	900	4,922	$296,965	$891,790	$1,039,206	$79,758	$3,039,584	$1,920,620
Mattresses and bed springs, not elsewhere classified	10	41	160	-------	355	146,576	216,361	541,238	11,031	1,178,135	625,866
Meat packing, wholesale	25	582	1,860	3,145	3,642	1,397,918	2,535,317	42,196,788	260,606	49,345,714	6,888,320
Millinery	16	51	667	-------	303	215,240	701,793	1,279,367	16,581	2,776,868	1,480,920
Models and patterns, not including paper patterns	42	59	396	-------	690	188,571	817,488	321,500	19,065	1,762,976	1,422,411
Motion pictures, not including projection in theaters	4	35	12	-------	7	101,700	22,768	35,339	1,070	187,397	150,988
Motor-vehicle bodies and motor-vehicle parts	40	1,232	12,572	1,446	47,537	3,408,529	22,566,931	70,685,286	971,275	125,197,505	54,140,932
Motor vehicles, not including motorcycles	9	1,462	6,180	442	19,628	3,643,792	10,167,395	59,459,691	582,820	103,649,164	43,606,653
Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills	3	15	127	118	384	64,063	165,117	456,763	22,148	929,767	450,856
Nonferrous-metal alloys and products, not including aluminum products	42	280	1,372	75	4,295	911,745	2,550,285	7,035,619	206,325	13,236,563	5,994,619
Paints and varnishes	47	914	1,721	700	9,230	2,968,514	2,428,335	17,674,833	285,422	36,520,273	18,560,018
Patent or proprietary medicines and compounds	30	153	151	-------	601	515,838	189,663	1,300,946	17,140	4,743,907	3,425,821
Paving materials: Asphalt, tar, crushed slag, and mixtures	4	13	97	28	711	38,680	163,662	744,892	31,513	1,235,740	459,335
Perfumes, cosmetics, and other toilet preparations	17	94	135	-------	128	357,444	153,531	674,938	6,465	3,316,294	2,634,891
Photo-engraving, not done in printing establishments	13	100	314	-------	268	397,575	754,216	194,571	20,287	1,930,980	1,716,122
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	42	155	669	605	5,370	478,594	1,147,645	3,006,011	78,959	5,371,992	2,287,022
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	23	204	1,400	-------	3,503	702,460	1,552,397	2,137,321	165,901	6,446,704	4,143,482
Pottery, including porcelain ware	3	24	200	180	107	80,710	256,539	57,321	32,342	549,417	459,754
Printing and publishing, book and job	251	882	2,832	1	3,741	2,693,604	5,156,765	5,636,630	159,999	21,116,250	15,320,261
Printing and publishing, newspaper and periodical	92	2,244	2,421	-------	5,484	5,954,534	4,759,997	7,102,169	172,441	35,359,388	28,084,778
Printing materials, not including type or ink	4	9	13	-------	36	27,745	24,644	29,619	1,689	177,020	145,712
Pumps (hand and power) and pumping equipment	4	38	100	-------	212	124,835	143,062	748,212	10,675	1,275,050	516,163
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	19	97	379	40	1,739	341,008	636,576	5,570,488	61,203	7,587,112	1,955,421
Screw-machine products and wood screws	24	457	4,674	1,600	13,964	1,532,817	6,970,969	8,193,536	408,529	24,115,499	15,513,434
Signs and advertising novelties	28	134	336	-------	364	333,874	552,593	531,172	17,237	2,036,776	1,488,367
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	6	36	136	-------	314	122,742	179,568	2,978,778	54,161	3,577,627	544,688
Sporting and athletic goods, not including firearms or ammunition	4	24	133	90	329	77,243	172,956	250,207	20,730	769,534	498,597
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	33	315	2,538	60	5,405	1,101,124	3,794,488	6,107,140	322,767	13,783,243	7,353,336
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	4	18	62	95	394	50,485	76,067	109,068	4,899	308,765	194,768
Steam fittings, and steam and hot-water heating apparatus	12	161	1,288	75	1,618	564,836	1,782,851	1,999,252	211,685	7,138,756	4,927,819
Steel barrels, kegs, and drums	7	54	496	-------	1,369	286,114	723,507	3,510,235	37,293	5,434,041	1,886,513
Stereotyping and electrotyping, not done in printing establishments	9	42	146	-------	611	172,117	308,558	100,008	21,555	872,670	750,807
Stoves and ranges (other than electric) and warm-air furnaces	22	351	3,152	680	4,380	1,133,130	4,464,872	8,417,861	271,095	20,617,854	11,928,898
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	32	575	2,413	220	9,509	2,097,814	4,449,408	8,727,273	216,556	19,643,222	10,699,393
Tin cans and other tinware, not elsewhere classified	3	65	556	300	1,325	98,905	654,452	2,130,454	25,115	3,653,010	1,497,441
Tools, not including edge tools, machine tools, files, or saws	9	97	536	-------	2,055	302,455	767,278	1,171,744	109,315	3,516,120	2,235,061
Toys (not including children's wheel goods or sleds), games, and playground equipment	8	24	139	-------	76	46,979	133,937	210,829	4,792	592,592	376,971
Trimmings (not made in textile mills) and stamped art goods for embroidering	10	14	121	4	32	41,512	130,879	81,677	3,610	411,842	326,555
Trunks, suitcases, and bags	10	19	67	-------	35	57,973	81,648	249,337	1,501	415,661	164,823
Waste	3	12	51	50	48	38,911	46,799	308,905	6,505	529,511	214,101
Window and door screens and weather strip	6	9	21	-------	45	24,988	36,798	84,621	769	157,854	102,564
Window shades and fixtures	15	12	40	-------	50	24,501	59,885	131,902	2,224	289,197	155,071
Wirework, not elsewhere classified	20	151	1,079	4	2,682	465,294	1,624,095	2,882,165	100,209	7,692,889	4,710,485
Wood turned and shaped and other wooden goods, not elsewhere classified	6	9	47	-------	293	25,525	74,121	58,685	4,020	236,245	173,540
Other industries	289	3,246	22,401	18,896	69,115	9,097,470	31,264,375	87,989,587	2,944,791	167,047,499	76,113,121

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
CINCINNATI INDUSTRIAL AREA											
[This area comprises Butler and Hamilton Counties, Ohio, and Campbell and Kenton Counties, Ky.]											
All industries, total	2,373	19,942	114,068	190,704	284,492	$52,165,178	$157,583,726	$478,214,297	$16,018,429	$933,290,890	$439,058,164
Awnings, tents, sails, and canvas covers	10	21	98	----	35	52,958	115,522	191,225	3,298	492,513	297,990
Belting, leather	3	9	17	----	53	31,604	31,164	105,512	983	215,783	109,288
Beverages	27	104	287	485	903	286,253	367,137	969,187	48,395	2,616,220	1,598,638
Bookbinding and blank-book making	23	25	177	----	177	50,907	221,051	180,111	6,386	676,955	490,458
Boot and shoe findings, not made in boot and shoe factories	6	23	94	----	201	47,258	124,998	189,028	11,530	472,033	271,475
Boots and shoes, other than rubber	15	269	2,951	870	813	694,772	3,250,814	5,614,887	52,666	11,335,035	5,667,482
Boxes, cigar, wooden	4	2	66	----	80	(1)	48,112	61,630	2,221	142,580	78,729
Boxes, paper, not elsewhere classified	21	138	1,073	15	1,842	433,451	1,101,241	3,378,613	52,803	6,120,124	2,688,708
Boxes, wooden, except cigar boxes	14	47	365	1,200	1,030	174,726	396,688	843,077	20,615	1,955,272	1,091,580
Bread and other bakery products	272	273	2,782	275	4,059	648,989	3,811,777	10,582,883	386,378	22,181,136	11,211,876
Brooms	4	5	37	----	37	14,908	44,276	70,843	1,429	177,686	105,414
Brushes, other than rubber	6	9	32	----	63	16,921	34,374	91,359	2,385	237,886	144,142
Butter	14	96	231	137	800	212,855	255,313	7,535,266	37,090	9,605,293	2,032,937
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	19	75	390	150	412	188,381	310,179	2,016,091	22,014	2,923,400	885,295
Car and general construction and repairs, steam-railroad repair shops	22	363	4,615	1,996	5,559	963,162	7,739,607	3,204,910	318,706	12,226,385	8,702,769
Chemicals, not elsewhere classified	16	119	724	2,121	2,168	362,446	956,049	6,941,385	213,855	11,234,328	4,077,088
Cigars and cigarettes	27	44	548	----	46	155,951	455,895	605,506	5,602	1,780,250	1,169,142
Clay products (other than pottery) and nonclay refractories	12	98	480	645	881	131,001	519,152	199,141	139,007	1,230,259	892,111
Cleaning and polishing preparations	12	59	36	----	95	109,057	43,564	368,444	3,986	1,091,413	718,983
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	75	783	6,280	20	1,267	2,102,312	7,947,417	15,598,646	109,143	32,815,075	17,107,286
Clothing, women's, not elsewhere classified	19	103	728	----	140	188,075	652,649	1,893,317	12,655	3,825,473	1,919,501
Coffee and spice, roasting and grinding	14	64	349	405	910	175,202	395,642	6,229,308	36,181	8,598,826	2,333,337
Compressed and liquefied gases	5	37	41	125	802	80,251	101,894	75,207	51,302	571,273	444,764
Concrete products	37	38	168	92	725	87,305	238,817	318,694	15,374	989,431	655,363
Condensed and evaporated milk	3	1	9	225	37	(1)	15,491	245,544	12,634	422,648	164,470
Confectionery	33	52	938	215	1,159	312,491	884,295	3,245,247	65,767	6,423,366	3,112,352
Cooperage	3	10	83	150	180	24,864	100,763	229,730	4,418	449,547	215,399
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	41	286	1,051	335	2,482	818,950	1,532,266	8,026,574	85,182	12,781,513	4,669,767
Cutlery (not including silver and plated cutlery) and edge tools	3	4	12	15	29	7,200	22,535	6,591	1,873	62,153	43,689
Electrical machinery, apparatus, and supplies	39	893	5,554	1,939	10,167	1,913,164	5,497,466	12,647,486	249,411	29,890,884	16,993,987
Electroplating	9	18	130	----	531	45,354	196,119	61,585	19,773	452,869	381,611
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	4	6	17	----	18	12,911	30,807	22,118	1,203	99,435	76,114
Engraving, steel and copperplate, and plate printing	8	52	264	----	201	123,772	290,029	181,737	7,461	815,813	626,615
Feeds, prepared, for animals and fowls	7	72	172	40	3,127	206,428	257,549	6,320,508	48,389	6,324,917	956,020
Fertilizers	6	80	387	60	5,164	208,127	525,378	4,049,942	67,974	6,490,294	1,382,378
Flavoring extracts and flavoring sirups	18	43	134	341	246	179,149	202,619	2,207,637	41,294	4,112,471	1,863,640
Flour and other grain-mill products	8	11	36	320	740	21,064	48,683	936,385	18,499	1,191,940	237,056
Food preparations, not elsewhere classified	11	27	147	125	364	43,901	172,337	906,408	14,872	1,347,450	426,170
Forgings, iron and steel, not made in plants operated in connection with rolling mills	6	59	181	430	881	214,125	261,564	861,706	59,232	1,547,096	626,158
Foundry and machine-shop products, not elsewhere classified	163	1,492	7,592	3,969	23,562	4,298,067	11,728,883	14,765,025	876,701	46,404,012	30,762,286
Foundry supplies	4	26	60	500	439	82,681	76,724	382,358	13,515	640,268	244,395
Furniture, including store and office fixtures	47	411	2,291	3,185	4,059	943,779	2,946,433	3,702,796	148,326	9,206,794	5,355,672
Glass products (except mirrors) made from purchased glass	8	30	163	----	78	89,670	203,461	272,345	7,050	711,890	432,495
Grease and tallow, not including lubricating greases	6	15	193	455	208	38,933	229,237	230,934	61,493	625,348	342,921
Hand stamps and stencils and brands	6	13	29	----	54	26,667	49,411	44,655	1,702	191,593	145,236
Hardware not elsewhere classified	11	54	281	90	409	134,466	313,919	580,484	20,354	1,453,583	852,745
Hats and caps, except felt and straw, men's	13	40	196	----	32	78,983	188,364	585,929	3,340	1,178,573	589,304
House-furnishing goods, not elsewhere classified	12	61	257	375	432	124,808	245,709	1,211,450	14,333	1,977,655	751,872
Ice cream	29	52	230	1,687	1,243	159,890	315,113	1,783,883	95,608	3,977,821	2,098,330
Ice, manufactured	32	38	221	706	11,067	134,481	392,136	136,718	367,552	2,950,620	2,446,350
Ink, printing	9	206	370	1,480	948	610,050	605,393	2,931,116	116,070	6,402,745	3,355,559
Iron and steel: Steel works and rolling mills	4	507	5,881	69,680	39,130	1,138,553	9,597,498	21,461,028	3,220,397	39,596,683	14,915,258
Jewelry	22	103	281	----	152	212,328	446,248	585,048	7,629	1,841,111	1,248,434
Knit goods	4	23	291	520	13	77,505	267,634	951,599	10,372	1,486,192	524,221
Leather goods, not elsewhere classified	7	13	118	----	33	22,662	111,635	342,850	2,060	601,951	257,041
Lithographing	16	316	1,261	1,120	2,023	804,436	1,827,603	2,039,297	53,721	8,019,197	5,926,179
Macaroni, spaghetti, vermicelli, and noodles	3	5	30	35	77	5,726	29,458	106,675	6,256	197,936	85,005
Machine-tool accessories and small metal-working tools, not elsewhere classified	11	42	163	----	343	133,871	248,031	199,900	11,357	959,844	748,587
Machine tools	32	1,220	6,081	3,800	19,168	3,521,360	10,168,889	9,887,844	456,106	34,684,190	24,340,240
Marble, granite, slate, and other stone products	21	51	204	550	928	182,823	376,089	528,436	25,217	2,316,645	1,762,992
Mattresses and bed springs, not elsewhere classified	12	75	333	1,650	287	248,444	341,975	1,126,186	11,320	1,844,759	707,253
Meat packing, wholesale	42	334	1,689	4,857	2,558	911,867	2,423,531	43,523,499	207,249	50,696,696	6,865,948
Mirrors, framed and unframed	7	16	95	----	181	54,745	125,140	225,038	9,012	524,539	290,489
Models and patterns, not including paper patterns	20	33	176	----	302	116,022	303,466	103,996	8,968	707,715	594,761
Motor-vehicle bodies and motor-vehicle parts	18	211	5,266	5,285	3,145	599,656	8,192,439	22,320,894	191,856	33,564,783	11,052,033

See footnotes at end of this section, p. 410.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
CINCINNATI INDUSTRIAL AREA—Continued											
Nonferrous-metal alloys and products, not including aluminum products	25	230	1,454	125	2,237	$634,265	$2,297,196	$4,194,470	$152,876	$10,139,753	$5,792,407
Paints and varnishes	25	251	631	1,243	3,609	771,017	918,578	7,703,898	120,188	13,199,931	5,375,845
Paper	16	453	4,665	40,947	33,109	1,875,250	7,130,066	22,010,874	2,059,408	40,132,124	16,061,842
Patent or proprietary medicines and compounds	27	154	212	-------	389	361,762	214,296	865,752	15,394	4,499,739	3,618,593
Perfumes, cosmetics, and other toilet preparations	12	80	321	25	348	318,128	357,879	1,462,963	15,819	3,969,889	2,491,107
Photo-engraving, not done in printing establishments	18	89	255	-------	171	320,087	599,124	134,518	11,676	1,325,883	1,179,689
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	46	321	1,265	3,770	3,528	888,238	1,784,403	4,461,065	98,272	9,386,349	4,827,012
Plated ware	4	40	224	220	397	116,892	248,177	134,591	16,566	745,317	594,160
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	7	41	255	325	728	103,731	318,735	396,731	32,476	1,052,883	623,676
Poultry killing, dressing, and packing, wholesale	7	9	36	-------	7	23,669	49,404	603,054	2,891	796,630	190,685
Printing and publishing, book and job	198	784	3,096	845	3,929	2,099,871	4,344,363	5,274,334	174,793	20,000,530	14,551,403
Printing and publishing, music	4	115	75	-------	90	255,261	98,040	132,807	2,312	783,294	648,175
Printing and publishing, newspaper and periodical	74	1,376	1,765	985	4,825	2,875,876	3,639,843	4,674,255	134,346	19,399,495	14,590,894
Pumps (hand and power) and pumping equipment	5	257	718	631	1,347	446,529	1,035,213	2,410,568	89,775	4,974,419	2,474,076
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	7	6	17	-------	97	15,852	24,946	262,061	6,377	343,274	74,836
Signs and advertising novelties	29	171	901	310	821	418,071	1,012,214	2,251,670	39,901	5,433,366	3,141,795
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	12	86	605	-------	1,165	242,702	871,073	1,059,407	52,916	3,087,365	1,975,042
Stationery goods, not elsewhere classified	3	22	155	-------	234	50,915	174,261	222,764	7,699	646,892	416,429
Stereotyping and electrotyping, not done in printing establishments	10	47	369	-------	1,489	150,648	727,242	431,792	55,977	2,044,266	1,556,497
Stoves and ranges (other than electric) and warm-air furnaces	12	450	1,885	350	3,780	1,049,662	2,843,063	3,195,078	202,786	10,491,525	7,093,661
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	22	195	600	810	1,002	511,841	821,218	1,486,109	45,090	3,744,305	2,213,106
Surgical and orthopedic appliances, including artificial limbs	10	63	240	22	51	158,831	176,496	250,393	3,601	1,061,521	807,527
Tin cans and other tinware, not elsewhere classified	10	152	1,313	1,585	1,122	431,153	1,501,954	7,272,596	79,133	11,013,483	3,661,754
Tools, not including edge tools, machine tools, files, or saws	5	23	69	890	67	100,050	87,847	92,841	6,900	409,569	309,828
Toys (not including children's wheel goods or sleds), games, and playground equipment	3	1	19	-------	6	(1)	17,185	17,261	820	51,101	33,020
Trunks, suitcases, and bags	11	48	242	120	470	121,743	344,742	653,077	10,856	1,354,999	691,066
Window and door screens and weather strip	5	68	316	-------	781	175,755	375,969	533,946	17,660	1,669,744	1,118,138
Window shades and fixtures	8	12	157	-------	260	23,293	151,218	495,567	6,547	750,157	248,043
Wirework, not elsewhere classified	14	34	199	152	352	91,603	249,098	611,785	12,407	1,245,866	621,674
Wood turned and shaped and other wooden goods, not elsewhere classified	11	37	323	797	1,016	122,682	423,687	479,824	15,544	1,365,758	870,390
Other industries	299	4,432	26,250	23,887	57,770	11,417,083	33,790,614	168,204,795	4,345,873	300,591,295	128,040,627

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[2] Includes item for "Iron and steel: Blast furnaces" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

YOUNGSTOWN INDUSTRIAL AREA

[This area comprises Mahoning and Trumbull Counties, Ohio, and Lawrence and Mercer Counties, Pa.]

All industries, total	612	9,508	78,903	722,846	448,395	$25,386,913	$138,076,535	$436,586,508	$67,441,487	$823,532,610	$319,504,615
Beverages	22	14	65	1	194	37,685	100,198	222,020	11,937	599,736	365,779
Boxes, wooden, except cigar boxes	3	12	107	300	296	17,280	90,796	322,389	5,436	557,168	229,343
Bread and other bakery products	91	58	733	3	1,764	115,149	1,087,363	2,556,783	158,866	5,309,913	2,594,264
Butter	6	8	18	60	268	7,344	31,958	494,690	7,767	593,319	90,862
Car and general construction and repairs, steam-railroad repair shops	14	309	3,159	4,150	3,722	841,099	5,579,793	4,524,812	210,252	11,155,956	6,420,892
Cars, electric and steam railroad, not built in railroad repair shop	3	122	737	500	7,519	332,454	1,106,181	3,117,136	130,800	5,347,751	2,099,815
Clay products (other than pottery) and nonclay refractories	11	60	879	1,821	4,350	156,053	1,263,402	384,782	471,723	2,711,304	1,854,799
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	3	15	291	-------	68	58,169	211,574	490,571	5,746	842,695	346,378
Coke, not including gas-house coke	4	129	1,061	12,517	2,000	311,272	2,073,560	991,891	14,378,385	21,476,447	6,106,171
Concrete products	27	20	109	5	500	48,051	168,539	236,385	15,670	662,476	410,421
Condensed and evaporated milk	6	11	43	444	45	21,971	57,820	530,173	15,942	762,345	216,230
Cooperage	4	3	35	50	17	5,820	40,086	110,712	1,374	189,883	77,797

See footnotes at end of this section, p. 411.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
YOUNGSTOWN INDUSTRIAL AREA—Continued											
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	7	31	195	-------	602	$79,540	$287,779	$1,056,473	$9,424	$1,525,166	$459,269
Electrical machinery, apparatus, and supplies	14	835	4,110	2,503	46,556	1,919,099	5,839,306	18,399,635	480,062	45,707,654	26,827,957
Flour and other grain-mill products	11	7	46	460	465	23,835	57,158	1,746,107	14,266	2,047,232	286,859
Foundry and machine-shop products, not elsewhere classified	50	977	5,697	4,515	39,256	2,825,040	9,420,405	26,245,378	1,065,553	50,457,821	23,146,890
Ice cream	20	35	115	215	1,535	90,912	204,722	1,139,908	59,639	2,171,944	972,397
Ice, manufactured	8	31	63	772	2,333	54,846	97,913	143,909	97,834	756,116	514,373
Iron and steel: Blast furnaces	13	279	3,287	664,791	263,557	765,259	6,262,227	56,705,353	26,211,766	99,009,041	16,091,922
Iron and steel: Steel works and rolling mills	35	3,087	41,628			8,760,690	79,477,609	263,577,119	20,935,596	440,821,373	156,308,658
Lumber and timber products, not elsewhere classified	26	8	210	1,976	-------	13,970	193,596	141,861	8,020	603,924	454,043
Marble, granite, slate, and other stone products	3	2	5	-------	129	(c)	7,070	22,737	1,178	61,782	37,867
Models and patterns, not including paper patterns	7	4	36	-------	86	11,410	72,232	33,868	2,737	175,600	138,995
Motor-vehicle bodies and motor-vehicle parts	7	40	185	-------	1,569	118,266	267,623	544,149	33,493	1,196,011	618,369
Paints and varnishes	4	21	40	-------	703	66,866	44,793	293,101	15,084	533,323	225,138
Paving materials: Asphalt, tar, crushed slag, and mixtures	12	16	248	-------	1,906	36,177	372,940	825,755	71,543	2,420,046	1,522,748
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	15	43	130	125	1,399	132,997	230,397	364,449	20,353	811,179	426,377
Pottery, including porcelain ware	8	214	2,625	410	2,527	474,355	2,947,451	1,098,531	381,230	6,754,295	5,274,534
Printing and publishing, book and job	30	43	157	-------	233	121,954	245,406	226,515	11,659	858,973	620,799
Printing and publishing, newspaper and periodical	22	403	490	7	936	905,102	882,676	800,858	40,827	4,402,395	3,560,710
Signs and advertising novelties	6	13	77	-------	76	26,284	101,679	113,199	10,540	333,390	209,651
Tools, not including edge tools, machine tools, files, or saws	3	9	12	-------	96	19,344	24,030	10,964	2,179	82,704	69,561
Other industries	117	2,649	12,310	27,221	63,688	6,988,620	19,228,233	49,114,295	2,554,606	112,593,648	60,924,747

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[c] Witheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

AKRON INDUSTRIAL AREA

[This area is coextensive with Summit County]

All industries, total	359	10,260	67,298	172,321	151,139	$25,798,359	$107,253,929	$308,369,142	$9,290,751	$599,053,295	$281,393,402
Beverages	9	26	85	370	338	85,037	122,284	263,728	17,829	781,706	500,149
Bread and other bakery products	54	56	707	74	1,326	123,425	1,062,797	2,688,866	103,818	5,474,254	2,681,570
Clay products (other than pottery) and nonclay refractories	9	36	797	1,575	1,914	103,713	902,565	86,645	531,071	2,205,344	1,587,628
Coffee and spice, roasting and grinding	5	7	14	6	89	21,247	15,577	319,704	2,563	519,522	197,255
Concrete products	9	7	35	-------	135	14,888	56,711	65,048	3,037	195,100	127,015
Foundry and machine-shop products, not elsewhere classified	37	709	3,340	1,339	19,790	1,852,060	5,940,816	8,380,080	529,844	21,352,164	12,442,240
Furniture, including store and office fixtures	6	23	76	-------	112	59,465	116,077	319,434	3,752	611,152	287,916
Ice cream	6	26	100	-------	750	65,287	164,412	556,383	37,725	1,364,211	770,103
Ice, manufactured	4	16	46	800	1,968	49,380	86,968	16,384	90,236	579,903	473,283
Marble, granite, slate, and other stone products	3	-------	10	-------	105	----------	15,400	19,650	----------	47,000	27,350
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	12	87	300	755	1,042	186,298	430,983	1,284,399	22,064	2,345,644	1,039,181
Pottery, including porcelain ware	6	139	1,144	280	3,043	425,730	1,519,513	1,887,557	318,802	5,229,669	3,023,310
Printing and publishing, book and job	34	160	598	240	626	528,602	1,029,190	1,145,966	39,993	4,176,043	2,990,084
Rubber goods, other than tires, inner tubes, and boots and shoes	21	285	2,037	7,741	17,563	774,254	2,688,679	5,557,162	579,740	11,085,636	4,948,734
Rubber tires and inner tubes	14	7,181	51,135	125,224	86,725	17,490,149	82,113,808	246,514,813	5,027,343	466,149,212	214,607,056
Stoves and ranges (other than electric) and warm-air furnaces	3	34	274	-------	708	111,941	380,151	290,452	23,378	1,182,746	868,916
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	32	173	225	238	161,744	312,735	939,273	19,541	1,777,166	818,352
Other industries	123	1,436	6,427	33,392	14,667	3,745,139	10,295,263	38,033,548	1,940,015	73,976,823	34,003,260

TOLEDO INDUSTRIAL AREA

[This area is coextensive with Lucas County. Because of the amount of manufacturing industry in this area, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry, namely, "Motor vehicles, not including motorcycles," without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	625	7,005	53,996	59,737	141,746	$22,190,016	$79,925,863	$256,014,456	$10,483,704	$479,336,121	$212,837,961

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
WHEELING INDUSTRIAL AREA											
[This area comprises Belmont, Columbiana, and Jefferson Counties, Ohio, and Brooke, Hancock, and Ohio Counties, W. Va.]											
All industries, total	537	4,480	45,906	265,965	180,636	$11,566,254	$70,728,962	$155,853,221	$20,453,268	$319,433,325	$140,066,839
Beverages	19	24	92	-------	355	41,564	118,373	273,950	23,761	651,136	353,425
Boxes, paper, not elsewhere classified	3	10	66	-------	148	19,464	65,307	333,440	4,481	553,218	215,297
Boxes, wooden, except cigar boxes	4	12	68	360	420	24,580	67,391	271,527	8,240	432,059	152,292
Bread and other bakery products	69	58	539	112	1,217	70,322	707,197	2,015,030	90,454	4,092,749	1,987,265
Butter	6	1	5	44	12	(c)	7,500	134,423	1,777	170,471	34,271
Chemicals, not elsewhere classified	4	15	68	100	630	35,087	107,152	1,603,303	58,765	2,835,186	1,173,115
Clay products (other than pottery) and nonclay refractories	29	217	2,789	6,473	6,500	657,385	3,529,344	852,765	1,240,532	8,558,206	6,464,908
Concrete products	6	2	13	15	38	(c)	16,507	24,225	623	58,246	33,398
Confectionery	4	3	54	10	50	6,560	25,136	90,543	2,174	164,254	71,537
Cooperage	11	8	49	-------	15	9,805	53,855	247,486	545	412,252	164,221
Flour and other grain-mill products	8	10	23	320	363	16,600	30,038	271,530	8,839	376,172	95,803
Foundry and machine-shop products, not elsewhere classified	32	246	1,451	1,425	6,690	647,325	2,192,214	2,993,672	179,385	5,008,280	4,835,223
Furniture, including store and office fixtures	8	29	259	65	363	88,833	398,811	724,205	10,176	1,430,509	695,428
Glass	7	81	1,193	1,444	871	221,456	1,476,320	473,973	326,254	3,290,896	2,490,669
Glass products (except mirrors) made from purchased glass	3	12	121	-------	25	27,396	123,289	282,410	5,805	554,169	265,954
Ice cream	18	44	113	290	1,235	85,446	172,411	576,975	44,066	1,237,372	616,331
Ice, manufactured	19	27	104	1,025	2,328	62,728	163,146	42,495	116,512	619,271	460,264
Iron and steel: Blast furnaces	6	93	758	235,151	112,055	240,482	1,373,959	15,871,650	4,593,950	24,883,635	3,576,035
Iron and steel: Steel works and rolling mills	18	1,314	18,082			3,486,152	33,679,249	73,676,896	6,335,055	140,357,807	60,345,943
Lumber and timber products, not elsewhere classified	7	4	44	270	155	5,500	46,160	35,550	2,950	135,675	97,175
Nonferrous-metal alloys and products, not including aluminum products	5	39	187	1,380	687	141,576	281,337	1,844,768	51,803	2,740,771	844,200
Planing-mill products including general millwork, not made in planing mills connected with sawmills	10	35	117	-------	1,018	72,050	144,199	253,866	12,975	562,876	296,035
Pottery, including porcelain ware	39	401	8,096	3,923	9,963	1,344,078	10,122,253	4,740,235	1,564,388	22,612,309	16,307,686
Printing and publishing, book and job	25	40	163	-------	277	55,089	231,811	290,640	9,759	814,084	603,685
Printing and publishing, newspaper and periodical	29	385	367	149	632	491,555	581,606	477,198	32,658	2,795,888	2,286,032
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	5	98	962	-------	3,318	175,754	1,197,171	3,231,680	82,813	6,114,529	2,800,036
Stoves and ranges (other than electric, and warm-air furnaces	5	37	302	100	475	56,123	448,787	647,250	22,713	1,527,809	857,846
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	95	257	-------	1,877	231,550	348,292	1,644,018	17,955	3,768,861	2,106,888
Tools, not including edge tools, machine tools, files, or saws	3	15	89	50	310	34,452	109,201	171,189	20,149	443,184	251,846
Other industries	131	1,145	9,545	13,259	28,549	3,186,178	12,988,906	44,876,419	5,271,365	79,731,155	29,583,371

[b] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[a] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[c] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

DAYTON INDUSTRIAL AREA											
[This area is coextensive with Montgomery County]											
All industries, total	521	7,555	42,591	33,233	54,663	$21,023,503	$64,793,012	$115,538,747	$3,350,536	$330,315,581	$211,429,298
Awnings, tents, sails, and canvas covers	5	11	29	-------	10	25,383	28,595	57,591	1,075	177,098	118,432
Beverages	10	25	67	545	99	64,679	106,583	192,843	22,383	562,643	347,717
Boxes, paper, not elsewhere classified	5	36	249	-------	399	92,369	236,571	436,802	11,528	1,068,508	560,178
Boxes, wooden, except cigar boxes	6	21	306	235	466	49,103	330,539	1,067,692	6,969	1,815,498	741,837
Bread and other bakery products	41	134	926	5	1,359	316,629	1,351,143	3,278,778	123,685	7,965,722	4,563,259
Car and general construction and repairs, electric-railroad repair shops	5	11	100	-------	357	20,482	147,386	51,612	7,484	227,439	168,343
Car and general construction and repairs, steam-railroad repair shops	4	17	170	9	99	53,245	315,527	114,935	10,155	454,162	329,072
Cigars and cigarettes	7	28	1,085	-------	75	55,397	735,439	1,354,117	6,539	2,966,531	1,606,075
Coffee and spice, roasting and grinding	3	22	70	-------	458	79,611	[d] 1,491	2,167,419	10,383	2,735,838	557,536
Concrete products	3	7	17	30	277	9,708	23,431	21,389	3,151	70,883	46,342
Confectionery	10	29	101	-------	216	63,723	111,059	562,771	7,539	985,038	384,428
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	4	12	44	50	66	26,413	58,303	168,839	2,972	260,414	145,603
Electrical machinery, apparatus, and supplies	16	824	4,094	-------	9,156	1,997,669	5,470,536	8,874,471	203,420	21,481,095	12,403,204
Foundry and machine-shop products, not elsewhere classified	46	515	3,357	2,496	12,416	1,563,171	5,091,536	4,820,443	541,645	16,134,945	11,072,884
Furniture, including store and office fixtures	17	87	597	330	616	231,161	785,534	1,288,965	43,352	3,326,445	1,994,128
Ice cream	6	35	112	20	575	116,122	274,971	693,055	27,433	1,520,766	800,226
Ice, manufactured	5	16	39	855	907	43,651	66,494	4,990	51,323	300,495	244,092
Machine-tool accessories and small metal-working tools, not elsewhere classified	29	129	1,048	-------	1,292	493,198	2,447,052	544,743	44,967	4,813,292	4,223,592

See footnotes at end of this section, p. 413.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products[a]	Value added by manufacture[b]
DAYTON INDUSTRIAL AREA—Continued											
Marble, granite, slate, and other stone products	4	7	38	-------	482	$13,798	$50,891	$102,922	$6,040	$288,372	$179,410
Meat packing, wholesale	7	63	333	870	778	200,478	460,910	7,301,967	65,650	8,492,439	1,124,822
Models and patterns, not including paper patterns	11	8	151	-------	213	15,942	267,478	94,817	8,009	523,997	421,171
Motor-vehicle bodies and motor-vehicle parts	7	519	3,122	-------	7,351	1,068,466	4,763,619	7,782,976	219,896	20,638,540	12,635,668
Nonferrous-metal alloys and products, not including aluminum products	8	36	165	-------	386	135,078	248,689	482,339	24,985	1,025,886	618,562
Paints and varnishes	8	286	288	-------	1,464	790,259	562,178	2,702,319	42,078	6,286,652	2,542,155
Paper	5	95	863	8,308	1,628	331,649	906,611	3,348,626	188,419	6,903,621	2,366,676
Photo-engraving, not done in printing establishments	5	26	94	-------	38	108,010	257,329	70,972	4,329	573,935	498,634
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	12	98	409	355	1,445	243,737	598,981	1,145,851	31,610	2,440,729	1,263,268
Printing and publishing, book and job	38	225	730	-------	1,043	718,366	1,257,257	1,715,821	39,051	6,292,161	4,537,289
Printing and publishing, newspaper and periodical	19	421	1,557	-------	2,681	865,509	2,214,495	5,460,107	65,321	19,506,152	13,980,724
Pumps (hand and power) and pumping equipment	8	196	541	-------	1,001	491,169	835,676	1,831,851	51,294	4,914,762	3,031,617
Rubber goods other than tires, inner tubes, and boots and shoes	4	40	141	-------	653	84,728	175,385	164,141	23,447	570,038	382,450
Screw-machine products and wood screws	7	21	180	-------	627	71,645	247,081	253,965	20,064	853,043	579,014
Signs and advertising novelties	7	46	140	-------	85	127,418	203,784	246,016	3,913	857,451	607,622
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	3	7	43	-------	194	36,200	60,689	106,283	10,879	243,772	126,610
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	5	33	142	185	611	117,476	213,851	699,426	14,069	1,204,365	490,870
Toys (not including children's wheel goods or sleds), games, and playground equipment	13	71	408	20	592	239,082	426,018	623,313	18,325	1,766,869	1,125,231
Other industries[8]	128	3,704	20,895	18,610	34,368	10,042,780	33,430,670	56,033,589	1,386,859	182,091,895	124,671,447

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[8] The figures for this item include data for the "Refrigerators, mechanical" industry, which reported a larger number of wage earners than any other industry in the area, but for which separate figures can not be given without disclosing an approximation of the data for an individual establishment.

BELMONT COUNTY

All industries, total	113	515	5,209	13,048	8,926	$1,110,196	$6,881,014	$22,550,475	$1,136,377	$36,059,579	$12,372,727
Beverages	4	9	29	-------	35	13,960	27,202	52,868	8,994	134,727	72,865
Bread and other bakery products	15	2	68	-------	141	(6)	84,867	288,989	11,363	501,111	230,759
Foundry and machine-shop products, not elsewhere classified	6	45	221	460	1,171	103,751	244,033	524,902	27,135	1,140,690	688,653
Glass	3	38	605	1,064	206	110,968	727,405	179,052	140,343	1,555,255	1,235,860
Iron and steel: Steel works and rolling mills	3	107	1,689	[7] 9,270	[7] 1,642	274,213	2,995,167	7,503,429	304,823	12,343,867	4,535,615
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	5	23	75	-------	584	51,990	82,948	148,219	6,472	313,444	158,763
Printing and publishing, book and job	6	7	32	-------	96	15,014	49,932	10,297	1,419	122,761	111,046
Printing and publishing, newspaper and periodical	7	55	32	-------	62	76,006	43,483	41,422	2,586	302,449	258,441
Other industries	65	229	2,458	2,254	5,089	464,294	2,625,977	13,831,297	633,242	19,645,275	6,180,736

[6] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
[7] Includes items for "Iron and steel: Blast furnaces" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establisbment.

BUTLER COUNTY

All industries, total	167	1,995	19,593	98,668	74,716	$5,634,657	$29,187,880	$68,164,879	$5,654,836	$145,718,315	$71,898,600
Beverages	4	6	13	-------	33	13,335	14,266	58,847	2,540	149,562	88,175
Bread and other bakery products	15	8	171	5	189	14,660	268,562	599,025	28,516	1,153,928	526,387
Concrete products	3	1	6	2	18	(8)	10,159	8,356	318	31,255	22,581
Foundry and machine-shop products, not elsewhere classified	24	213	1,471	925	7,724	685,076	2,235,717	2,422,314	222,145	7,754,758	5,110,299
Ice cream	11	13	49	187	241	45,181	66,887	435,544	15,671	780,161	328,946
Ice, manufactured	5	6	28	150	1,035	18,426	39,982	7,007	38,887	259,317	213,423
Paper	12	269	3,513	30,167	20,935	1,148,629	5,122,278	16,154,270	1,363,512	29,281,325	11,763,543
Printing and publishing, book and job	11	37	143	-------	286	91,684	187,884	236,948	10,589	869,768	622,231
Tin cans and other tinware, not elsewhere classified	3	37	355	350	442	83,072	380,185	1,341,016	21,377	2,131,752	769,359
Other industries	79	1,405	13,844	66,882	43,813	3,534,694	20,861,960	46,901,552	3,951,281	103,306,489	52,453,656

[8] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
CLARK COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry, namely, "Motor vehicles, not including motorcycles," without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	170	2,659	12,437	11,580	24,801	$5,308,898	$17,495,288	$57,176,839	$1,209,268	$112,093,656	$53,707,549
COLUMBIANA COUNTY											
All industries, total	161	1,024	8,760	23,077	26,509	$2,648,028	$12,391,361	$15,179,334	$2,480,144	$40,798,996	$23,139,518
Beverages	4	6	25	-------	226	12,340	33,118	100,737	9,055	193,600	83,808
Bread and other bakery products	17	6	70	12	103	9,520	69,341	218,497	13,146	405,778	174,135
Clay products (other than pottery) and nonclay refractories	8	41	592	793	2,110	91,819	733,394	138,245	327,103	1,876,467	1,411,119
Cooperage	4	4	15	-------	10	1,860	22,469	55,125	275	99,547	44,447
Flour and other grain-mill products	4	7	14	210	205	11,880	19,352	192,005	6,369	271,311	72,937
Foundry and machine-shop products, not elsewhere classified	20	165	957	965	4,672	457,705	1,533,320	2,062,249	121,806	5,690,645	3,506,590
Furniture, including store and office fixtures	8	29	259	65	363	88,833	318,811	724,205	10,176	1,430,809	696,428
Ice cream	4	14	25	50	340	27,530	39,929	120,776	17,058	256,310	118,476
Ice, manufactured	5	12	16	100	384	32,557	23,780	5,156	20,083	134,661	109,422
Lumber and timber products, not elsewhere classified	3	1	18	120	-------	(c)	15,720	9,800	----------	36,500	26,700
Pottery, including porcelain ware	27	235	3,745	2,520	6,010	731,400	4,330,050	2,138,261	787,750	10,462,865	7,536,854
Printing and publishing, book and job	8	21	52	-------	91	36,233	62,131	73,837	3,922	305,610	227,851
Printing and publishing, newspaper and periodical	10	64	92	7	144	86,898	139,787	85,490	10,030	562,030	466,510
Other industries	39	419	2,880	18,235	11,851	1,059,453	5,050,159	9,254,951	1,153,371	19,072,563	8,664,241

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[c] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

CUYAHOGA COUNTY

[The totals for all industries do not include data for a few establishments located outside the county (see footnotes 10 and 11), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	2,781	26,243	161,256	315,108	467,700	$77,134,540	$251,942,813	$641,158,728	$45,762,214	$1,359,322,549	$672,401,607
Artificial and preserved flowers and plants	5	5	33	-------	4	20,284	27,680	87,913	219	281,082	192,950
Awnings, tents, sails, and canvas covers	10	88	178	-------	105	220,474	217,037	428,766	9,364	1,018,557	580,427
Baskets and rattan and willow ware, not including furniture	4	10	144	-------	208	29,090	176,481	85,142	2,871	366,207	278,194
Beverages	30	91	347	1,017	1,226	183,117	469,679	890,709	73,264	2,551,547	1,587,574
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	15	484	5,031	4,972	17,937	1,780,858	6,970,825	11,263,241	627,885	28,291,206	16,400,080
Bookbinding and blank-book making	20	66	493	-------	492	196,299	656,634	523,899	18,498	2,023,236	1,480,839
Boxes, cigar, wooden	3	-------	14	-------	22	----------	14,169	16,970	577	39,745	22,198
Boxes, paper, not elsewhere classified	15	90	935	1,150	1,327	306,419	1,055,309	3,200,375	68,784	5,856,278	2,567,119
Boxes, wooden, except cigar boxes	10	36	383	400	974	128,080	466,326	947,802	14,159	1,843,017	881,056
Bread and other bakery products	322	262	3,602	375	4,847	654,885	5,123,198	12,892,376	531,580	27,066,922	13,642,966
Brushes, other than rubber	8	115	368	210	1,712	384,133	459,150	720,920	14,590	2,030,801	1,295,291
Butter	7	36	79	-------	2,242	67,676	125,078	2,966,463	21,754	3,575,182	586,965
Cigars and cigarettes	13	20	333	-------	33	57,105	245,647	409,467	2,830	951,493	539,196
Clay products (other than pottery) and nonclay refractories [10]	12	42	628	308	4,672	129,728	1,075,331	113,036	606,270	2,430,659	1,711,353
Cleaning and polishing preparations	26	72	93	-------	185	290,443	100,395	1,122,840	8,578	2,795,445	1,664,027
Clothing (except work clothing), men's youths', and boys', not elsewhere classified [10]	41	386	5,645	1,500	1,143	1,271,363	7,406,849	17,397,154	106,091	30,591,518	13,088,273
Clothing, women's, not elsewhere classified [11]	92	552	3,759	-------	641	1,737,717	4,714,787	13,778,441	57,728	28,012,767	14,176,598
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	6	11	198	-------	40	26,328	154,568	444,733	3,197	806,552	358,622
Coffee and spice, roasting and grinding	11	56	160	-------	693	140,839	177,553	4,669,977	49,393	6,694,485	1,975,115
Compressed and liquefied gases	9	106	164	122	2,286	232,404	266,158	512,276	115,070	2,318,554	1,691,208
Concrete products	29	50	349	48	672	136,828	501,515	513,267	25,087	1,785,229	1,246,875
Confectionery	34	140	988	160	2,997	462,741	1,024,539	4,561,201	108,711	7,257,057	2,587,145
Cooperage	6	14	223	295	73	75,160	259,086	1,130,204	5,133	1,563,132	427,795
Cooper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	40	140	690	12	1,646	410,090	1,137,590	1,987,355	33,787	4,599,868	2,578,726
Electrical machinery, apparatus, and supplies	81	2,188	11,158	1,402	22,418	5,033,291	14,850,237	38,309,359	1,035,057	89,020,726	49,676,310

See footnotes at end of this section, p. 416.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
CUYAHOGA COUNTY—Continued											
Electroplating	23	57	309	20	1,548	$186,293	$506,584	$150,490	$41,465	$1,153,356	$961,401
Engraving (other than steel, copperplate or wood), chasing, atching, and diesinking	3		3	1	5		5,930	200	24	36,100	35,876
Engraving, steel and copperplate, and plate printing	12	32	148		159	95,323	204,220	234,034	6,052	748,297	509,211
Fancy and miscellaneous articles, not elsewhere classified	8	24	120		35	67,489	105,296	139,591	3,266	577,534	434,677
Flavoring extracts and flavoring sirups	12	54	109	125	265	149,418	139,734	916,162	7,765	2,152,465	1,228,538
Food preparations, not elsewhere classified	8	7	40		151	10,991	43,572	433,283	7,423	610,878	170,172
Forgings, iron and steel, not made in plants operated in connection with rolling mills	18	211	1,775	2,600	12,129	913,567	3,188,480	5,597,471	886,275	14,909,811	8,426,065
Foundry and machine-shop products, not elsewhere classified	207	2,828	17,806	2,682	65,476	9,014,309	29,517,196	35,645,958	2,631,492	105,234,453	66,957,003
Fur goods	25	37	138		46	61,654	257,691	900,210	4,918	1,541,780	636,652
Furniture, including store and office fixtures [10]	47	349	2,067	450	3,737	1,052,567	3,028,726	5,126,073	111,662	12,252,852	7,015,117
Gas and alactric fixtures; lamps, lanterns, and reflectors	18	171	1,071		3,157	458,526	1,314,257	2,549,870	64,589	6,547,243	3,932,784
Grease and tallow, not including lubricating greases [10]	5	23	151	190	1,423	73,492	264,900	576,774	50,466	1,369,414	742,174
Hand stamps and stencils and brands	9	45	101		151	91,185	147,365	147,129	6,005	554,229	401,095
Hardwara not alsawhera classified	7	156	1,274	260	2,707	369,945	1,808,842	1,070,758	150,903	4,680,750	3,459,089
Hats and caps, except felt and straw, men's	12	26	95		44	64,209	113,365	308,964	2,580	656,378	344,834
Housa-furnishing goods, not elsewhere classified	12	29	103		190	74,769	116,023	295,692	4,720	726,692	426,280
Ica cream	16	77	236		2,911	152,193	413,659	1,743,045	82,168	4,269,319	2,444,106
Instruments, professional and scientific	4	27	105		143	73,329	165,736	117,544	7,574	620,863	495,745
Iron and steel, processad	6	22	86		707	89,962	148,558	56,573	80,272	582,587	445,742
Jewelry	13	18	70		25	36,632	114,239	186,927	2,844	500,849	311,078
Knit goods [11]	24	207	2,760	85	1,333	845,019	2,647,391	6,939,660	89,605	12,863,889	5,834,624
Lithographing	15	189	900		1,368	573,958	1,752,588	1,335,915	32,984	5,719,637	4,350,738
Lubricating oils and greases, not made in petroleum refineries	18	108	121	31	639	352,743	193,183	2,344,723	30,541	4,349,015	1,973,751
Macaroni, spaghetti, vermicelli, and noodles	8	22	138		426	69,583	123,808	511,510	16,963	982,506	454,033
Machine-tool accessories and small metal-working tools, not elsewhere classified	56	410	2,531	452	10,216	1,160,120	4,452,801	2,973,382	264,706	15,012,847	11,774,759
Machina tools	19	580	3,696	615	9,763	1,554,054	6,634,323	6,555,129	232,180	23,204,289	16,416,980
Mattresses and bed springs, not elsewhera classified	10	41	160		355	146,576	216,361	541,238	11,031	1,178,135	625,866
Meat packing, wholesala	25	582	1,860	3,145	3,642	1,397,918	2,535,317	42,196,788	260,606	49,345,714	6,888,320
Millinery	16	51	667		303	215,240	701,793	1,279,367	16,581	2,776,868	1,480,920
Models and patterns, not including paper patterns	42	59	396		690	188,571	817,488	321,500	19,065	1,762,976	1,422,411
Motion picturas, not including projaction in theaters	4	35	12		7	101,700	22,768	35,339	1,070	187,397	150,988
Motor-vehicle bodies and motor-vehicle parts [12]	40	1,232	12,572	1,446	47,537	3,408,829	22,566,931	70,085,298	971,275	125,197,505	54,140,932
Nails, spikes, atc., not mada in wira mills or in plants oparatad in connection with rolling mills	3	15	127	118	384	64,063	165,117	456,763	22,148	929,767	450,856
Nonferrous-metal alloys and products, not including aluminum products	37	251	1,468	75	4,025	835,517	2,402,335	6,653,696	193,283	12,460,689	5,613,701
Paints and varnishes [10]	47	914	1,721	700	9,230	2,968,514	2,428,335	17,674,333	285,422	36,520,273	18,660,018
Patant or proprietary medicines and compounds [10]	30	153	151		601	515,838	189,663	1,300,946	17,140	4,743,907	3,425,821
Paving materials: Asphalt, tar, crushed slag, and mixtures	4	13	97	28	711	38,680	163,662	744,892	31,513	1,235,740	459,335
Perfumes, cosmetics, and other toilet preparations	17	94	135		128	357,444	153,531	674,938	6,465	3,316,294	2,634,891
Photo-engraving, not dona in printing establishments	13	100	314		268	397,575	754,216	194,571	20,287	1,930,980	1,716,122
Planing-mill products (including general millwork), not mada in planing mills connected with sawmills	36	144	644	525	4,928	458,445	1,111,173	2,934,365	72,490	5,222,117	2,215,262
Plumbers' supplies, not including pipe or vitreous china sanitary ware	23	204	1,400		3,503	702,460	1,852,397	2,137,321	165,901	6,446,704	4,143,482
Pottery, including porcelain ware	3	24	200	180	107	80,710	256,539	57,321	32,342	549,417	459,754
Printing and publishing, book and job	243	870	2,780	1	3,667	2,677,519	5,086,721	5,559,553	185,224	20,869,761	15,154,984
Printing and publishing, newspaper and periodical	83	1,963	2,061		4,728	5,275,604	4,033,080	6,117,497	150,407	29,977,040	23,709,136
Printing materials, not including type or ink	4	9	13		36	27,745	24,644	29,619	1,689	177,020	145,712
Pumps (hand and power) and pumping equipment	4	38	100		212	124,835	143,062	748,212	10,675	1,275,050	516,163
Sausage, meat puddings, headcheese, etc., and sausaga casings, not made in meat-packing establishments	19	97	379	40	1,739	341,008	636,576	5,570,488	61,203	7,587,112	1,955,421
Screw-machine products and wood screws	19	399	3,520		10,986	1,270,710	5,385,221	5,216,618	280,431	17,302,727	11,805,678
Ship and boat building, steel and wooden, including repair work	4	48	492	2,909	3,526	103,628	760,000	506,727	41,420	1,813,112	1,264,965
Signs and advertising novelties [10]	28	134	336		364	333,874	552,893	531,172	17,237	2,036,776	1,488,367
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	6	36	136		314	122,742	179,568	2,978,778	54,161	3,577,627	544,688
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering [10]	33	315	2,538	60	5,405	1,101,124	3,794,488	6,107,140	322,767	13,783,243	7,353,336
Steam fittings, and steam and hot-water heating apparatus	12	161	1,288	75	1,618	564,836	1,782,851	1,999,252	211,685	7,138,756	4,927,819
Steel barrels, kegs, and drums	7	54	496		1,369	286,114	723,507	3,510,235	37,293	5,434,041	1,886,513

See footnotes at end of this section, p. 416.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
CUYAHOGA COUNTY—Continued											
Stereotyping and electrotyping, not done in printing establishments	9	42	146		611	$172,117	$308,558	$100,008	$21,855	$872,670	$750,807
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	32	575	2,413	220	9,509	2,097,814	4,449,408	8,727,273	216,556	19,643,222	10,699,393
Tin cans and other tinware, not elsewhere classified	3	65	556	300	1,325	98,905	654,482	2,130,454	25,115	3,653,010	1,497,441
Trimmings (not made in textile mills) and stamped art goods for embroidering	10	14	121	4	32	41,512	130,879	81,677	3,610	411,842	326,555
Trunks, suitcases, and bags	10	19	67		35	57,973	81,648	249,337	1,501	415,661	164,823
Waste	3	12	51	50	48	38,911	46,799	308,905	6,505	529,511	214,101
Window and door screens and weather strip	6	9	21		45	24,968	36,798	84,621	769	187,954	102,564
Window shades and fixtures	15	12	40		50	24,501	59,885	131,902	2,224	289,197	155,071
Wirework, not elsewhere classified [10]	20	151	1,079	4	2,682	465,294	1,624,095	2,882,195	100,209	7,692,889	4,710,486
Wood turned and shaped and other wooden goods, not elsewhere classified	6	9	47		293	25,525	74,121	68,686	4,020	236,245	173,540
Other industries	415	6,617	49,817	286,559	155,844	18,617,962	81,109,748	245,303,318	33,697,290	487,896,512	208,995,904
FRANKLIN COUNTY											
All industries, total	631	5,513	32,349	25,721	85,297	$15,035,317	$45,347,321	$124,176,353	$4,860,061	$250,091,629	$121,055,215
Awnings, tents, sails, and canvas covers	4	13	29		37	30,517	41,300	69,312	1,450	227,320	156,558
Beverages	9	21	99	505	145	93,747	147,696	330,790	16,167	820,962	474,005
Boots and shoes, other than rubber	7	226	2,912		1,865	496,897	3,166,946	7,085,633	66,205	13,607,522	6,455,784
Boxes, paper, not elsewhere classified	5	25	253	50	296	66,429	283,244	863,332	12,441	1,535,111	659,338
Boxes, wooden, except cigar boxes	3	1	9		80	(12)	12,984	34,205	596	68,836	34,035
Bread and other bakery products	69	112	1,173	35	2,335	261,526	1,604,843	4,669,371	145,300	9,475,936	4,661,264
Car and general construction and repairs, steam-railroad repair shops	7	472	4,787	1,715	9,248	1,216,066	8,436,625	7,561,530	295,523	17,509,744	9,652,691
Caskets, coffins, burial cases, and other morticians' goods	7	47	405		1,401	156,375	667,332	2,125,673	33,745	4,476,361	2,316,943
Clay products (other than pottery) and nonclay refractories	5	16	195	383	1,313	32,587	269,369	111,379	154,615	641,234	375,240
Coffee and spice, roasting and grinding	5	17	40		239	36,934	45,748	1,407,269	8,241	1,723,478	312,968
Compressed and liquefied gases	4	44	42		1,170	90,116	69,867	167,822	51,416	639,239	420,001
Concrete products	15	17	70	4	333	25,180	85,996	198,837	6,148	490,451	285,466
Condensed and evaporated milk	3	3	21	40	526	7,664	30,073	400,734	17,733	595,107	176,590
Confectionery	12	28	172	160	215	61,405	136,152	468,493	12,316	857,364	376,555
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	7	41	206		223	93,853	278,076	780,358	12,254	1,461,638	669,026
Druggists' preparations	8	47	126		223	108,334	105,906	344,626	7,022	931,041	579,393
Electroplating	3	3	19		80	3,980	27,636	2,400	3,667	55,354	49,287
Fertilizers	5	55	232	4	2,843	208,088	306,314	2,344,815	38,569	3,891,312	1,507,928
Flavoring extracts and flavoring sirups	4	6	18		6	10,197	18,966	112,844	1,108	170,414	56,462
Foundry and machine-shop products	40	843	4,475	2,790	12,755	2,513,806	6,848,659	9,327,355	627,405	29,370,133	19,415,373
Furniture, including store and office fixtures	9	88	456	675	1,922	294,700	685,586	1,087,836	34,871	2,678,515	1,556,808
Glass products (except mirrors) made from purchased glass	8	17	107		136	34,188	139,530	255,930	6,202	606,525	244,393
Hardware not elsewhere classified	3	7	16		81	12,517	26,608	25,746	1,190	114,327	87,391
Ice cream	7	89	186	860	1,676	166,815	254,918	949,568	39,771	2,206,684	1,217,245
Machine-tool accessories and small metal-working tools, not elsewhere classified	4	12	123		161	35,855	215,276	50,815	6,190	423,338	366,333
Marble, granite, slate, and other stone products	5	5	46		312	18,350	77,182	82,254	4,435	234,064	147,375
Mattresses and bed springs, not elsewhere classified	5	12	64		258	26,556	81,201	181,344	4,984	365,745	179,417
Meat packing, wholesale	10	164	828	1,664	717	402,225	1,141,819	22,849,869	109,291	26,362,111	3,402,951
Models and patterns, not including paper patterns	5	8	38		81	15,672	57,724	12,255	961	115,848	102,632
Motor-vehicle bodies and motor-vehicle parts	8	99	697		1,355	257,437	869,703	1,906,865	47,958	4,527,383	2,572,560
Nonferrous-metal alloys and products, not including aluminum products	4	10	53		172	24,859	87,140	121,198	5,286	297,290	170,806
Paints and varnishes	6	32	96		665	106,493	167,332	959,165	11,850	1,744,830	773,815
Patent or proprietary medicines and compounds	9	16	58		59	72,798	44,965	115,600	2,104	817,975	700,271
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	21	31	137		2,639	75,297	212,904	477,090	30,914	1,002,784	494,780
Printing and publishing, book and job	56	170	674		728	468,792	1,110,020	989,033	44,734	3,598,469	2,564,702
Printing and publishing, newspaper and periodical	39	918	654	78	2,464	1,836,598	1,230,178	1,954,964	65,333	9,014,224	6,993,927
Signs and advertising novelties	6	9	29		19	23,545	48,471	39,640	1,754	164,013	122,619
Stationery goods, not elsewhere classified	4	26	99		145	72,373	104,816	267,314	5,169	562,365	289,882

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Cuyahoga County have been included with those for the county, as specified in footnotes 10 and 11 to avoid disclosing the data for the establishments in question.

[10] Includes data for 1 establishment located outside Cuyahoga County.

[11] Includes data for 2 establishments located outside Cuyahoga County.

See footnotes at end of this section, p. 417.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
FRANKLIN COUNTY—Continued											
Stereotyping and electrotyping, not done in printing establishments	3	14	32	----	203	$49,872	$59,467	$62,364	$3,468	$202,642	$136,810
Stoves and ranges (other than electric) and warm-air furnaces	12	88	514	----	824	199,905	684,035	1,571,052	27,795	4,060,332	2,461,485
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	5	20	75	15	517	144,201	118,480	241,164	6,824	524,451	276,463
Window shades and fixtures	6	4	13	----	6	15,282	14,921	127,362	629	200,715	72,724
Other industries	174	1,637	12,071	16,857	34,824	5,167,286	15,531,313	51,441,247	2,886,377	101,813,543	47,485,919

[a] See GENERAL EXPLANATIONS—Duplication of Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[12] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

HAMILTON COUNTY

[The totals for all industries do not include data for a few establishments located outside the county (see footnotes 13 and 15), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	2,018	16,751	85,421	74,247	188,517	$43,496,699	$115,236,029	$380,130,328	$8,715,815	$729,019,086	$340,172,943
Bags, paper, exclusive of those made in paper mills	8	73	381	300	607	235,230	386,842	1,963,439	31,315	3,343,722	1,348,968
Belting, leather	3	9	17	----	53	31,604	31,164	105,512	983	215,783	109,288
Beverages	20	91	246	485	841	256,963	319,998	851,950	43,797	2,283,392	1,387,645
Bookbinding and blank-book making [12]	23	25	177	----	177	50,907	221,051	180,111	6,386	676,955	490,458
Boot and shoe findings, not made in boot and shoe factories	6	23	94	----	201	47,258	124,998	189,028	11,530	472,033	271,475
Boots and shoes, other than rubber	15	269	2,951	870	813	694,772	3,250,814	5,614,887	52,666	11,335,035	5,667,482
Boxes, cigar, wooden	4	2	66	----	80	[14]	48,112	61,630	2,221	142,580	78,729
Boxes, paper, not elsewhere classified	17	101	780	15	1,160	296,621	726,339	1,775,407	33,139	3,681,976	1,873,430
Boxes, wooden, except cigar boxes	14	47	365	1,200	1,030	174,726	396,688	843,077	20,615	1,955,272	1,091,580
Bread and other bakery products	221	256	2,431	270	3,587	619,313	3,284,481	9,446,426	339,744	19,990,178	10,204,008
Brushes, other than rubber [13]	6	9	32	----	63	16,921	34,374	91,359	2,385	237,886	144,142
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	15	54	304	150	314	129,135	239,419	1,429,221	17,677	2,126,762	679,864
Car and general construction and repairs, steam-railroad repair shops	13	194	2,152	1,141	2,857	504,860	3,727,836	1,639,042	198,943	6,070,681	4,232,696
Chemicals, not elsewhere classified [13]	16	119	724	2,121	2,168	362,446	956,049	6,941,385	215,855	11,234,328	4,077,088
Cigars and cigarettes [15]	27	44	548	----	46	155,951	455,895	605,506	5,602	1,780,250	1,169,142
Cleaning and polishing preparations [13]	12	59	36	----	95	109,057	43,564	368,444	3,986	1,091,413	718,983
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	70	773	6,142	20	1,250	2,087,456	7,849,258	15,506,673	105,460	32,527,528	16,915,395
Clothing, women's, not elsewhere classified	19	103	728	----	140	188,075	652,649	1,893,317	12,655	3,825,473	1,919,501
Coffee and spice, roasting and grinding	14	64	349	405	910	175,202	395,642	6,229,308	36,181	8,598,826	2,333,337
Concrete products	24	28	113	60	443	66,863	162,781	200,485	9,964	639,340	428,891
Confectionery	30	148	923	215	1,141	307,755	870,143	3,215,454	65,292	6,357,485	3,076,739
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	35	205	911	335	1,870	647,028	1,285,841	4,595,274	65,860	8,189,029	3,527,895
Cutlery (not including silver and plated cutlery) and edge tools	3	4	12	15	29	7,200	22,535	6,591	1,873	52,153	43,689
Electrical machinery, apparatus, and supplies	35	814	5,220	1,939	9,819	1,767,183	5,119,694	11,612,280	237,289	26,394,930	14,545,361
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking)	4	6	17	----	18	12,911	30,807	22,118	1,203	99,435	76,114
Engraving, steel and copperplate, and plate printing	8	52	264	----	201	123,772	290,029	181,737	7,461	815,813	626,615
Fertilizers	6	80	387	50	5,164	208,127	525,378	4,049,942	57,974	5,490,294	1,382,378
Flavoring extracts and flavoring sirups	18	43	134	341	246	179,149	202,619	2,207,637	41,294	4,112,471	1,863,540
Flour and other grain-mill products	4	4	16	190	250	4,800	24,274	441,197	8,571	539,856	90,082
Food preparations, not elsewhere classified	11	27	147	125	364	43,901	172,337	906,408	14,872	1,347,450	426,170
Forgings, iron and steel, not made in plants operated in connection with rolling mills	6	59	181	430	881	214,125	261,564	861,706	59,232	1,547,096	626,158
Foundry and machine-shop products, not elsewhere classified	132	1,240	5,931	2,764	15,522	3,466,831	9,161,060	12,037,538	629,516	37,702,022	25,034,968
Foundry supplies	4	26	60	500	439	82,681	76,724	382,358	13,515	640,268	244,395
Furniture, including store and office fixtures	44	387	2,177	3,035	3,844	886,724	2,812,360	3,459,187	136,943	8,672,950	5,076,820
Glass products (except mirrors) made from purchased glass	8	30	163	----	78	89,670	203,461	272,345	7,050	711,890	432,495
Grease and tallow, not including lubricating greases	5	15	193	455	208	38,933	229,237	230,934	51,493	625,348	342,921
Hand stamps and stencils and brands	6	13	29	----	54	26,667	49,411	44,655	1,702	191,593	145,236
Hardware not elsewhere classified	6	20	108	90	216	48,540	126,247	87,904	12,068	456,569	356,597
House-furnishing goods, not elsewhere classified [13]	12	51	257	375	432	124,808	245,709	1,211,450	14,333	1,977,655	751,872
Ice cream	14	38	177	1,500	868	113,809	245,641	1,322,097	78,863	3,154,274	1,753,314
Ice, manufactured	22	28	142	406	8,061	88,675	268,296	118,707	265,900	2,163,010	1,778,403
Ink, printing	9	206	370	1,480	948	510,050	605,393	2,931,116	116,070	6,402,745	3,355,559
Jewelry [13]	22	103	281	----	152	212,328	446,248	585,048	7,629	1,841,111	1,248,434
Macaroni, spaghetti, vermicelli, and noodles	3	5	30	35	77	5,726	29,458	106,675	6,256	197,936	85,005
Machine tools	26	1,111	4,901	1,825	16,995	3,157,085	8,225,961	9,049,920	352,981	29,697,520	20,294,619

See footnotes at end of this section, p. 418.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
HAMILTON COUNTY—Continued											
Marble, granite, slate, and other stone products	16	46	177	515	829	$171,823	$328,260	$492,228	$20,508	$2,185,657	$1,672,921
Mattresses and bed springs, not elsewhere classified	12	75	333	1,650	287	248,444	341,975	1,126,186	11,320	1,844,759	707,253
Meat packing, wholesale	36	319	1,644	4,857	2,191	863,847	2,353,675	41,807,642	192,541	48,610,637	6,610,454
Models and patterns, not including paper patterns [13]	20	33	176	-------	302	116,022	303,466	103,996	8,968	707,715	594,751
Nonferrous-metal alloys and products, not including aluminum products	21	195	1,241	125	1,900	510,794	1,944,050	3,544,510	133,074	8,800,828	5,123,244
Paints and varnishes [13]	25	251	631	1,243	3,609	771,017	918,578	7,703,898	120,158	13,199,931	5,375,845
Paper	4	184	1,152	10,780	12,174	726,621	2,007,818	5,856,604	695,896	10,850,799	4,298,299
Patent or proprietary medicines and compounds [13]	27	154	212	-------	389	361,762	214,296	865,752	15,394	4,479,739	3,618,593
Photo-engraving, not done in printing establishments	18	89	255	-------	171	320,087	599,124	134,518	11,676	1,325,883	1,179,689
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	32	265	1,083	3,450	2,383	751,680	1,483,026	3,947,024	76,037	8,261,754	4,238,693
Plated ware	4	40	224	220	397	116,892	248,177	134,591	16,566	745,317	594,160
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	7	41	255	325	728	103,731	318,735	396,731	32,476	1,052,883	623,676
Poultry killing, dressing, and packing, wholesale	7	9	36	-------	7	23,669	49,404	603,054	2,891	796,630	190,685
Printing and publishing, book and job	175	735	2,877	845	3,520	1,982,385	4,061,998	4,890,142	159,684	18,763,440	13,703,614
Printing and publishing, newspaper and periodical	65	1,244	1,654	985	4,603	2,671,133	3,398,343	4,486,430	122,852	18,007,966	13,398,684
Pumps (hand and power) and pumping equipment	5	257	718	631	1,347	446,529	1,035,213	2,410,568	89,775	4,974,419	2,474,076
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [13]	7	6	17	-------	97	15,852	24,946	262,061	6,377	343,274	74,836
Signs and advertising novelties	25	149	710	310	565	362,618	841,831	1,953,459	32,149	4,765,963	2,780,355
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering [13]	12	86	605	-------	1,165	242,702	871,073	1,059,407	52,916	3,087,365	1,975,042
Stereotyping and electrotyping, not done in printing establisbments	10	47	369	-------	1,489	150,648	727,242	431,792	55,977	2,044,266	1,556,497
Stoves and ranges (other than electric) and warm-air furnaces	8	306	989	350	1,598	694,535	1,510,456	1,872,962	69,071	5,557,387	3,615,324
Surgical and orthopedic appliances, including artificial limbs [13]	10	63	240	22	61	158,831	176,496	250,393	3,601	1,061,521	807,527
Tin cans and other tinware, not elsewhere classified	7	115	958	1,235	680	348,081	1,121,769	5,931,580	57,756	8,881,731	2,892,395
Tools, not including edge tools, machine tools, files, or saws	5	23	69	890	67	100,050	87,847	92,841	6,900	409,669	309,828
Toys (not including children's wheel goods or sleds), games, and playground equipment	3	1	19	-------	6	[14]	17,185	17,261	820	51,101	33,020
Trunks, suitcases, and bags	11	48	242	120	470	121,743	344,742	653,077	10,856	1,354,999	691,066
Window shades and fixtures	8	12	156	-------	260	23,293	151,218	495,567	6,547	750,157	248,043
Other industries	434	4,913	26,804	22,591	62,687	12,656,631	35,023,329	173,250,811	3,305,742	295,430,337	118,873,784

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[13] The items for each of the industries covered by this footnote include data for 1 establishment located outside the county, to avoid disclosing the figures reported by the establishments in question.
[14] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."
[15] The items for each of the industries covered by this footnote include data for 2 establishments located outside the county, to avoid disclosing the figures reported by the establishments in question.

JEFFERSON COUNTY											
All industries, total	77	908	9,520	104,772	93,580	$2,499,185	$15,999,071	$44,239,165	$6,351,223	$81,915,130	$31,324,742
Beverages	6	1	13	-------	28	[16]	21,781	54,129	2,466	132,292	75,697
Bread and other bakery products	14	6	108	-------	190	9,520	126,085	397,976	15,130	775,580	362,474
Clay products (other than pottery) and nonclay refractories	14	106	1,147	3,695	2,366	300,775	1,603,342	378,401	467,346	3,314,074	2,468,327
Iron and steel: Steel works and rolling mills	5	575	6,545	[17] 98,053	[17] 86,373	1,551,827	11,532,049	31,862,021	2,470,354	56,094,944	21,762,569
Printing and publishing, book and job	5	3	42	-------	39	9,330	58,755	54,101	2,753	208,267	151,413
Other industries	33	217	1,665	3,024	4,584	627,733	2,657,059	11,492,537	3,393,174	21,389,973	6,504,262

[16] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."
[17] Includes item for "Iron and steel: Blast furnaces" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by individual establishments.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
LORAIN COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	131	1,836	15,584	175,635	30,784	$4,949,686	$24,218,264	$67,475,240	$15,817,753	$146,167,843	$62,874,850
LUCAS COUNTY (SEE TOLEDO INDUSTRIAL AREA)											
MAHONING COUNTY											
All industries, total	204	4,375	32,048	464,712	111,440	$11,355,456	$58,149,148	$201,408,184	$40,226,979	$384,942,242	$143,307,079
Beverages	6	6	24	1	104	26,913	41,952	91,147	6,004	296,816	199,665
Bread and other bakery products	33	29	484	-------	1,273	75,937	765,992	1,660,836	91,665	3,583,953	1,831,452
Car and general construction and repairs, steam-railroad repair shops	5	85	860	1,282	714	210,429	1,575,161	1,007,159	42,894	2,835,643	1,785,590
Concrete products	8	1	21	5	96	(18)	35,767	51,837	4,958	113,203	56,408
Cooperage [19]	4	3	35	50	17	5,820	40,086	110,712	1,374	189,883	77,797
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	4	19	163	-------	398	52,898	244,127	751,904	6,353	1,088,321	330,064
Flour and other grain-mill products	3	1	6	125	67	(19)	5,649	42,662	1,746	58,727	14,319
Foundry and machine-shop products, not elsewhere classified	14	273	1,488	775	10,538	704,213	2,688,168	4,717,867	276,868	10,074,750	5,080,015
Iron and steel: Blast furnaces	6	162	1,946	444,945	66,037	441,184	3,877,741	36,050,168	16,034,098	63,007,537	10,923,271
Iron and steel: Steel works and rolling mills	11	1,344	17,192			3,750,665	32,935,400	125,764,764	9,814,055	201,101,348	65,522,529
Lumber and timber products, not elsewhere classified	8	-------	58	435	-------	----------	52,910	32,230	4,434	169,750	133,086
Models and patterns, not including paper patterns	4	3	22	-------	46	10,630	48,174	25,579	2,041	106,438	78,818
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	5	25	72	125	507	92,390	128,125	226,842	9,428	499,568	263,298
Printing and publishing, book and job	7	28	59	-------	96	94,771	107,579	104,898	5,180	407,919	297,841
Printing and publishing, newspaper and periodical	7	233	333	-------	508	503,310	565,304	514,564	19,700	2,809,467	2,275,203
Other industries [20]	79	2,163	9,285	16,969	31,039	5,386,296	15,037,013	30,255,015	13,906,181	98,598,919	54,437,723
SCIOTO COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	82	1,132	11,229	55,078	13,181	$2,633,851	$15,067,967	$26,958,466	$5,078,296	$56,987,559	$24,950,797

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[18] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

[19] The items for the "Cooperage" industry include data for 1 establishment located outside the county to avoid disclosing the figures for the establishment in question. The figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[20] See footnote 19.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products[a]	Value added by manufacture[b]
STARK COUNTY											
All industries, total	338	4,632	32,202	85,822	195,293	$12,720,898	$54,734,537	$113,867,325	$15,470,203	$271,845,402	$142,507,874
Agricultural implements	4	30	119	----	454	92,923	167,105	290,033	17,483	795,015	487,499
Beverages	8	14	33	----	118	24,944	47,069	82,981	6,353	247,455	158,121
Bread and other bakery products	36	66	339	6	543	109,696	477,794	1,334,444	62,895	2,624,779	1,227,440
Clay products (other than pottery) and nonclay refractories	19	83	1,877	3,935	4,293	214,897	2,197,405	568,648	979,751	6,090,630	4,542,231
Clothing, women's, not elsewhere classified	4	21	178	48	37	38,444	123,425	408,638	3,605	725,449	313,206
Concrete products	3	----	2	----	15	----	[21]	6,000	658	29,717	23,159
Confectionery	5	5	17	----	51	6,557	19,944	62,049	1,322	115,882	52,511
Cutlery (not including silver and plated cutlery) and edge tools	3	18	63	----	182	31,088	63,144	33,263	6,115	234,602	195,224
Flour and other grain-mill products	9	34	47	655	577	67,735	67,252	1,117,683	20,089	1,465,942	328,170
Forgings, iron and steel, not made in plants operated in connection with rolling mills	6	146	1,405	4,135	8,613	483,925	2,228,629	3,695,971	504,083	9,325,046	5,124,992
Foundry and machine-shop products, not elsewhere classified	36	502	3,027	5,937	30,719	1,292,280	5,136,581	10,746,852	511,639	25,347,912	14,089,421
Ice cream	7	34	73	580	891	86,031	137,616	388,062	24,156	990,347	578,129
Ice, manufactured	5	13	66	410	1,167	24,093	103,339	178,238	54,329	633,616	401,049
Iron and steel: Steel works and rolling mills	7	920	13,661	[22]62,895	[22]103,242	3,423,691	27,123,388	50,192,170	7,149,929	118,828,968	61,486,869
Lumber and timber products, not elsewhere classified	3	1	16	76	----	[21]	12,416	11,000	----	45,886	34,886
Meat packing, wholesale	4	53	234	----	867	175,680	361,874	4,304,796	32,559	5,285,217	947,862
Models and patterns, not including paper patterns	3	2	14	----	63	[21]	30,128	10,798	1,380	62,365	50,187
Nonferrous-metal alloys and products, not including aluminum products	3	15	62	----	64	35,755	91,910	236,118	9,781	426,821	180,922
Patent or proprietary medicines and compounds	4	30	36	----	32	135,170	60,904	561,572	3,544	1,084,527	519,411
Photo-engraving, not done in printing establishments	3	39	108	----	105	97,159	297,643	67,654	6,533	667,728	593,641
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	10	29	64	115	1,035	73,639	97,850	240,252	13,117	559,418	306,049
Printing and publishing, book and job	19	44	155	----	254	104,829	239,624	260,143	11,082	897,317	626,092
Printing and publishing, newspaper and periodical	7	269	275	----	752	390,850	484,084	458,030	31,406	2,453,496	1,964,060
Rubber goods, other than tires, inner tubes, and boots and shoes	6	36	342	191	608	101,205	361,635	400,369	41,043	1,366,461	925,049
Signs and advertising novelties	7	39	198	----	254	86,485	299,511	407,799	8,144	1,165,161	749,218
Stoves and ranges (other than electric) and warm-air furnaces	3	22	77	----	283	58,098	113,875	127,231	6,772	402,736	268,733
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	8	115	689	532	3,239	325,988	1,088,864	3,094,015	61,168	5,709,262	2,554,079
Other industries	106	2,052	9,035	6,307	36,835	5,239,736	13,301,828	34,582,516	5,901,367	84,263,647	43,779,764

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[21] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
[22] Includes item for "Iron and steel: Blast furnaces" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by individual establishments.

SUMMIT COUNTY (SEE AKRON INDUSTRIAL AREA)

TRUMBULL COUNTY

All industries, total	153	1,916	21,234	61,296	174,966	$5,856,810	$38,310,435	$115,188,745	$11,584,611	$212,192,435	$85,419,179
Bread and other bakery products	13	7	41	----	76	10,260	53,425	172,648	8,892	307,361	125,821
Concrete products	4	4	16	----	126	10,625	26,237	38,262	2,771	93,639	52,606
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	12	32	----	204	26,642	43,652	304,569	3,071	436,845	129,205
Foundry and machine-shop products, not elsewhere classified	19	438	2,697	1,145	21,670	1,377,629	4,265,767	11,920,238	508,421	24,815,205	12,386,546
Iron and steel: Steel works and rolling mills	13	625	12,574	[23]55,612	[23]124,039	1,819,169	25,154,157	73,458,558	6,054,144	125,554,300	46,041,598
Lumber and timber products, not elsewhere classified	7	8	90	1,074	----	13,970	85,236	60,925	2,436	266,494	203,133
Printing and publishing, book and job	10	6	38	----	62	11,773	52,445	49,834	2,310	177,262	125,118
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	6	147	745	----	3,702	461,654	1,143,013	3,394,261	78,254	7,145,221	3,672,706
Other industries	78	669	5,001	3,465	25,087	2,125,088	7,486,503	25,789,450	4,924,212	53,396,108	22,682,446

[23] Includes item for "Iron and steel: Blast furnaces" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by individual establishments.

Table 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
AKRON											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Rubber tires and inner tubes"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	276	8,875	59,983	147,642	112,805	$22,642,649	$96,622,893	$284,500,854	$6,780,305	$544,644,236	$253,363,077
CANTON											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry, namely, "Iron and steel: Steel works and rolling mills," without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	174	2,787	18,334	18,731	136,305	$7,846,890	$31,870,051	$64,556,472	$8,091,484	$153,988,924	$81,340,968
CINCINNATI											
[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 1, 2, and 3), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	1,784	12,843	63,986	44,726	121,237	$34,267,652	$85,442,129	$238,229,047	$5,381,610	$497,552,409	$253,941,752
Belting, leather	3	9	17	----	53	31,604	31,164	105,512	983	215,783	109,288
Beverages [1]	20	91	246	485	841	256,963	319,998	851,950	43,797	2,283,392	1,387,645
Bookbinding and blank-book making [2]	23	25	177	----	177	50,907	221,051	180,111	6,386	676,955	490,458
Boot and shoe findings, not made in boot and shoe factories	6	23	94	----	201	47,258	124,998	189,028	11,530	472,033	271,475
Boots and shoes, other than rubber	15	269	2,951	870	813	694,772	3,250,814	5,614,887	52,666	11,335,035	5,667,482
Boxes, paper, not elsewhere classified	14	80	662	15	928	241,350	608,563	1,269,252	27,387	2,742,900	1,446,261
Bread and other bakery products	191	239	2,332	270	3,510	595,115	3,146,472	9,061,729	326,760	19,264,484	9,875,995
Brushes, other than rubber [2]	6	9	32	----	63	16,921	34,374	91,359	2,385	237,886	144,142
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces [1]	15	54	304	150	314	129,135	239,419	1,429,221	17,677	2,126,762	679,864
Chemicals, not elsewhere classified	4	28	59	----	626	69,508	92,824	698,930	38,819	1,530,777	793,028
Cigars and cigarettes [1]	27	44	548	----	46	155,951	455,895	605,506	5,602	1,780,250	1,169,142
Cleaning and polishing preperations [2]	12	59	36	----	95	109,057	43,564	368,444	3,986	1,091,413	718,983
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	61	768	5,878	10	1,197	2,077,656	7,606,589	15,499,144	98,280	32,211,979	16,614,555
Clothing, women's, not elsewhere classified	19	103	728	----	140	188,075	652,649	1,893,317	12,655	3,825,473	1,919,501
Coffee and spice, roasting and grinding	14	64	349	405	910	175,202	395,642	6,229,308	36,181	8,598,826	2,333,337
Concrete products	12	16	59	4	263	46,915	100,058	107,068	5,367	392,419	279,984
Confectionery [2]	30	148	923	215	1,141	307,755	870,143	3,215,454	65,292	6,357,485	3,076,739
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified [1]	35	205	911	335	1,870	647,028	1,285,841	4,595,274	65,860	8,189,029	3,527,895
Cutlery (not including silver and plated cutlery) and edge tools	3	4	12	15	29	7,200	22,535	6,591	1,873	52,153	43,689
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	4	6	17	----	18	12,911	30,807	22,118	1,203	99,435	76,114
Engraving, steel and copperplate, and plate printing	8	52	264	----	201	123,772	290,029	181,737	7,461	815,813	626,615
Flavoring extracts and flavoring sirups [2]	18	43	134	341	246	179,149	202,619	2,207,637	41,294	4,112,471	1,863,540
Food preperations, not elsewhere classified [2]	11	27	147	125	364	43,901	172,337	906,408	14,872	1,347,450	426,170
Foundry and machine-shop products, not elsewhere classified	117	1,019	4,784	2,459	11,119	2,839,863	7,391,410	9,358,176	373,338	29,894,327	20,162,813
Foundry supplies	4	26	60	500	439	82,681	76,724	382,358	13,515	640,268	244,395
Glass products (except mirrors) made from purchased glass	8	30	163	----	78	89,670	203,461	272,345	7,050	711,890	432,495
Hand stamps and stencil and brands	6	13	29	----	54	26,667	49,411	44,655	1,702	191,593	145,236
Hardware not elsewhere classified	6	20	108	90	216	48,540	126,247	87,904	12,068	456,569	356,597
House-furnishing goods, not elsewhere classified [2]	12	51	257	375	432	124,808	245,709	1,211,450	14,333	1,977,655	751,872
Ice cream [1]	14	38	177	1,500	868	113,809	245,641	1,322,097	78,863	3,154,274	1,753,314
Ink, printing	9	206	370	1,480	948	510,050	605,393	2,931,116	116,070	6,402,745	3,355,559
Jewelry [2]	22	103	281	----	152	212,328	446,248	585,048	7,629	1,841,111	1,248,434
Macaroni, spaghetti, vermicelli, and noodles	3	5	30	35	77	5,726	29,458	106,675	6,256	197,936	85,005
Marble, granite, slate, and other stone products [1]	16	46	177	515	829	171,823	328,260	492,228	20,508	2,185,657	1,672,921
Meat packing, wholesale	36	319	1,644	4,857	2,191	863,847	2,353,675	41,807,642	192,541	48,610,637	6,610,454
Models and patterns, not including paper patterns	17	28	151	----	212	110,044	269,092	97,052	7,589	615,694	511,053
Paints and varnishes	19	205	512	1,208	2,667	611,031	753,225	6,662,091	92,792	11,328,809	4,573,926
Photo-engraving, not done in printing establishments [2]	18	89	255	----	171	320,087	599,124	134,518	11,676	1,325,883	1,179,689

See footnotes at end of this section, p. 422.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
CINCINNATI—Continued											
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	18	146	687	2,475	1,204	$500,158	$886,590	$3,029,835	$45,526	$5,763,872	$2,688,511
Plated ware	4	40	224	220	397	116,892	248,177	134,591	16,566	745,317	594,160
Poultry killing, dressing, and packing, wholesale	7	9	36	-------	7	23,669	49,404	603,054	2,891	796,630	190,685
Printing and publishing, book and job	168	733	2,861	845	3,483	1,978,545	4,037,782	4,744,100	158,944	18,550,954	13,647,910
Printing and publishing, newspaper and periodical	57	1,218	1,609	985	4,460	2,617,742	3,323,416	4,433,780	118,019	17,737,174	13,185,375
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [2]	7	6	17	-------	97	15,852	24,946	262,061	6,377	343,274	74,836
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering [2]	12	86	605	-------	1,165	242,702	871,073	1,059,407	52,916	3,087,365	1,975,042
Stereotyping and electrotyping, not done in printing establishments [2]	10	47	369	-------	1,489	150,648	727,242	431,792	55,977	2,044,266	1,556,497
Stoves and ranges (other than electric) and warm-air furnaces	8	306	989	350	1,598	694,535	1,510,456	1,872,992	69,071	5,557,387	3,615,324
Surgical and orthopedic appliances, including artificial limbs [3]	10	63	240	22	51	158,831	176,496	250,393	3,601	1,061,521	807,527
Toys (not including children's wheel goods or sleds), games, and playground equipment	3	1	19	-------	6	(c)	17,185	17,261	820	51,101	33,020
Window shades and fixtures	8	12	156	-------	260	23,293	151,218	495,567	6,547	750,157	248,043
Other industries	641	5,653	30,648	23,574	73,171	15,499,000	39,846,562	100,652,624	3,024,309	223,203,360	119,526,427

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Cincinnati have been included with those for the city, as specified in footnotes 1, 2, and 3, to avoid disclosing, exactly or approximately, the data reported by individual establishments.

[1] Includes data for 2 establishments located outside Cincinnati.

[2] Includes data for 1 establishment located outside Cincinnati.

[3] Includes data for 3 establishments located outside Cincinnati.

[c] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

CLEVELAND

[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 5, 6, and 7), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	2,573	23,934	146,881	297,911	428,464	$71,339,338	$229,159,652	$584,462,169	$43,464,712	$1,245,433,855	$617,506,974
Artificial and preserved flowers and plants	5	5	33	-------	4	20,284	27,680	87,913	219	281,082	192,950
Awnings, tents, sails, and canvas covers	10	88	178	-------	105	220,474	217,037	428,766	9,364	1,018,557	580,427
Beverages [4]	30	91	347	1,017	1,226	183,117	469,679	890,709	73,264	2,551,547	1,587,574
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills [5]	15	484	5,031	4,972	17,937	1,780,858	6,970,825	11,263,241	627,885	28,291,206	16,400,080
Bookbinding and blank-book making [5]	20	66	493	-------	492	196,299	656,634	523,899	18,498	2,023,236	1,480,839
Boxes, cigar, wooden	3	-------	14	-------	22	----------	14,169	16,970	577	39,745	22,198
Boxes, paper, not elsewhere classified	15	90	935	1,150	1,327	306,419	1,055,309	3,200,375	68,784	5,836,278	2,567,119
Boxes, wooden, except cigar boxes	10	36	383	400	974	128,080	466,326	947,802	14,159	1,843,017	881,056
Bread and other bakery products	279	259	3,464	375	4,699	641,885	4,907,538	12,342,188	507,657	26,660,762	13,211,517
Brushes, other than rubber	8	115	368	210	1,712	384,133	459,150	720,920	14,590	2,030,801	1,295,291
Butter [3]	7	36	79	-------	2,242	67,676	125,078	2,966,463	21,754	3,575,182	586,965
Cigars and cigarettes	13	20	333	-------	33	57,105	245,647	409,467	2,830	951,493	539,196
Cleaning and polishing preparations [5]	26	72	93	-------	185	290,443	100,395	1,122,840	8,578	2,795,445	1,664,027
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified [4]	41	386	5,645	1,500	1,143	1,271,363	7,406,849	17,397,154	106,091	30,591,518	13,088,273
Clothing, women's, not elsewhere classified [6]	92	552	3,759	-------	641	1,737,717	4,714,787	13,778,441	57,728	28,012,767	14,176,598
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	6	11	198	-------	40	26,328	154,568	444,733	3,197	806,552	358,622
Coffee and spice, roasting and grinding	11	56	160	-------	693	140,839	177,553	4,669,977	49,393	6,694,485	1,975,115
Compressed and liquefied gases	9	106	164	122	2,286	232,404	266,158	512,276	115,070	2,318,554	1,691,208
Concrete products	20	22	106	26	360	45,439	151,663	250,646	13,874	647,973	383,453
Confectionery	31	138	977	160	2,990	460,299	1,017,629	4,544,044	108,666	7,221,956	2,569,246
Cooperage [3]	6	14	223	295	73	76,160	259,086	1,130,204	5,133	1,563,132	427,795
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified [4]	40	140	690	12	1,646	410,090	1,137,590	1,987,355	33,787	4,599,868	2,678,726
Electrical machinery, apparatus, and supplies	69	1,398	6,454	1,402	17,773	3,871,932	9,317,423	24,832,448	820,608	60,346,165	34,693,109
Electroplating	23	57	309	20	1,548	186,293	506,584	150,490	41,465	1,153,356	961,401
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	3	-------	3	1	5	----------	5,930	200	24	36,100	35,876
Engraving, steel and copperplate, and plate printing	12	32	148	-------	159	95,323	204,220	234,034	5,052	748,297	509,211
Fancy and miscellaneous articles, not elsewhere classified	8	24	120	-------	35	67,489	105,296	139,591	3,266	577,534	434,677
Flavoring extracts and flavoring syrups [5]	12	54	109	125	265	149,418	139,734	916,162	7,765	2,152,465	1,228,638
Food preparations, not elsewhere classified	8	7	40	-------	151	10,991	43,572	433,283	7,423	610,878	170,172
Forgings, iron and steel, not made in plants operated in connection with rolling mills	18	211	1,775	2,600	12,129	913,567	3,188,480	6,697,471	886,275	14,969,811	8,426,065

See footnotes at end of this section, p. 423.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
CLEVELAND—Continued											
Foundry and machine-shop products, not elsewhere classified	185	2,574	16,730	2,642	60,967	$8,084,421	$27,591,689	$32,227,433	$2,489,498	$95,649,619	$60,932,688
Furniture, including store and office fixtures	39	194	1,360	225	2,263	548,606	2,035,527	3,497,229	67,409	7,486,149	3,931,511
Gas and electric fixtures; lamps, lanterns, and reflectors	18	171	1,071	-------	3,157	458,526	1,314,257	2,549,870	64,589	6,547,243	3,932,784
Grease and tallow, not including lubricating greases [b]	5	23	151	190	1,423	73,492	264,900	576,774	50,466	1,369,414	742,174
Hand stamps and stencils and brands	9	45	101	-------	151	91,185	147,365	147,129	6,005	554,229	401,095
Hardware not elsewhere classified	7	156	1,274	260	2,707	369,945	1,808,842	1,070,758	150,903	4,680,750	3,459,089
Hats and caps, except felt and straw, men's	12	26	95	-------	44	64,209	113,365	398,964	2,580	656,378	344,834
Ice cream	13	77	215	-------	2,865	152,193	395,322	1,695,935	79,773	4,177,027	2,401,319
Instruments, professional and scientific	4	27	105	-------	148	73,329	165,736	117,544	7,574	620,863	495,745
Iron and steel, processed	6	22	86	-------	707	89,962	148,558	56,573	80,272	582,587	445,742
Jewelry	13	18	70	-------	25	36,632	114,239	186,927	2,844	500,849	311,078
Knit goods [c]	24	207	2,760	85	1,333	845,019	2,647,391	6,939,660	89,605	12,863,889	5,834,624
Lithographing	15	189	900	-------	1,368	573,958	1,752,588	1,335,915	32,984	5,719,637	4,350,738
Macaroni, spaghetti, vermicelli, and noodles	8	22	138	-------	426	69,583	123,808	511,510	16,963	982,506	454,033
Machine-tool accessories and small metal-working tools, not elsewhere classified [d]	56	410	2,531	452	10,216	1,160,120	4,452,801	2,973,382	264,706	15,012,847	11,774,759
Machine tools [b]	19	580	3,696	615	9,763	1,554,054	6,634,323	6,555,129	232,180	23,204,289	16,416,980
Mattresses and bed springs, not elsewhere classified	10	41	160	-------	355	146,576	216,361	541,238	11,031	1,178,135	625,866
Meat packing, wholesale [b]	25	582	1,860	3,145	3,642	1,397,918	2,535,317	42,196,788	260,606	49,345,714	6,888,320
Millinery	16	51	667	-------	303	215,240	701,793	1,279,367	16,581	2,776,868	1,480,920
Models and patterns, not including paper patterns [d]	42	59	396	-------	690	188,571	817,488	321,500	19,065	1,762,976	1,422,411
Motion pictures, not including projection in theaters	4	35	12	-------	7	101,700	22,768	35,339	1,070	187,397	150,988
Motor-vehicle bodies and motor-vehicle parts [7]	40	1,232	12,572	1,446	47,537	3,408,829	22,566,931	70,085,298	971,275	125,197,505	54,140,932
Nonferrous metal alloys and products, not including aluminum products [b]	37	251	1,468	75	4,025	835,517	2,402,335	6,653,696	193,283	12,460,680	5,613,701
Paints and varnishes	43	895	1,702	700	9,109	2,922,461	2,395,635	17,534,370	282,093	36,187,709	18,371,246
Patent or proprietary medicines and compounds [b]	30	153	151	-------	601	515,838	189,663	1,300,946	17,140	4,743,907	3,425,821
Paving materials: Asphalt, tar, crushed slag, and mixtures	4	13	97	28	711	38,680	163,662	744,892	31,513	1,235,740	459,335
Perfumes, cosmetics, and other toilet preparations [b]	17	94	135	-------	128	357,444	153,531	674,938	6,465	3,316,294	2,634,891
Photo-engraving, not done in printing establishments	13	100	314	-------	268	397,575	754,216	194,571	20,287	1,930,980	1,716,122
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	23	204	1,400	-------	3,503	702,460	1,852,397	2,137,321	165,901	6,446,704	4,143,482
Printing and publishing, book and job	234	848	2,702	1	3,578	2,614,210	4,945,362	5,406,305	152,808	20,295,670	14,736,557
Printing and publishing, newspaper and periodical	76	1,934	2,041	-------	4,695	5,216,042	4,005,997	6,100,586	149,455	29,759,316	23,509,275
Printing materials, not including type or ink	4	9	13	-------	36	27,745	24,644	29,619	1,689	177,020	145,712
Pumps (hand and power) and pumping equipment	4	38	100	-------	212	124,835	143,062	748,212	10,675	1,275,050	516,163
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	19	97	379	40	1,739	341,008	636,576	5,570,488	61,203	7,587,112	1,955,421
Screw-machine products and wood screws [b]	19	399	3,520	-------	10,986	1,270,710	5,385,221	5,216,618	280,431	17,302,727	11,805,678
Ship and boat building, steel and wooden, including repair work	4	48	492	2,909	3,526	103,628	760,000	506,727	41,420	1,813,112	1,264,965
Steam fittings and steam and hot-water heating apparatus	12	161	1,288	75	1,618	564,836	1,782,851	1,999,252	211,685	7,138,756	4,927,819
Steel barrels, kegs, and drums	7	54	496	-------	1,369	286,114	723,507	3,510,235	37,293	5,434,041	1,886,513
Stereotyping and electrotyping, not done in printing establishments	9	42	146	-------	611	172,117	308,558	100,008	21,855	872,670	750,807
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills [b]	32	575	2,413	220	9,509	2,097,814	4,449,408	8,727,273	216,556	19,643,222	10,699,393
Tin cans and other tinware, not elsewhere classified	3	65	556	300	1,325	98,905	654,482	2,130,454	25,115	3,653,010	1,497,441
Trunks, suitcases, and bags	10	19	67	-------	35	57,973	81,648	249,337	1,501	415,661	164,823
Waste	3	12	51	50	48	38,911	46,799	308,905	6,505	529,511	214,101
Window and door screens and weather strip [b]	6	9	21	-------	45	24,988	36,798	84,621	769	187,954	102,564
Window shades and fixtures [d]	15	12	40	-------	50	24,501	59,885	131,902	2,224	289,197	155,071
Wirework, not elsewhere classified [7]	20	151	1,079	4	2,682	465,294	1,624,095	2,882,195	100,209	7,692,889	4,710,485
Wood turned and shaped and other wooden goods, not elsewhere classified	6	9	47	-------	293	25,525	74,121	58,685	4,020	236,245	173,540
Other industries	538	6,614	48,355	270,959	149,230	18,870,145	77,659,564	228,310,363	33,026,190	462,438,575	201,102,022

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Cleveland have been included with those for the city, as specified in footnotes 5, 6, and 7, to avoid disclosing, exactly or approximately, the data reported by individual establishments.
[5] Includes data for 1 establishment located outside Cleveland.
[6] Includes data for 2 establishments located outside Cleveland.
[7] Includes data for 3 establishments located outside Cleveland.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See headnote on first page of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
COLUMBUS											
[The totals for all industries do not include data for a few establishments located outside the city (see footnote 8), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	564	4,744	26,565	16,547	62,605	$12,549,602	$36,940,530	$107,057,284	$3,388,394	$212,255,749	$101,810,071
Awnings, tents, sails, and canvas covers	4	13	29	----	37	30,517	41,300	69,312	1,450	227,320	156,558
Beverages	9	21	99	505	145	93,747	147,696	330,790	16,167	820,962	474,005
Boots and shoes, other than rubber	7	226	2,912	----	1,865	496,597	3,166,946	7,085,533	66,203	13,607,522	6,455,784
Bread and other bakery products [1]	69	112	1,173	35	2,335	261,326	1,604,843	4,669,371	145,300	9,475,935	4,661,264
Caskets, coffins, burial cases, and other mortuarians' goods	7	47	405	----	1,401	156,375	567,332	2,125,673	33,745	4,476,361	2,316,943
Coffee and spice, roasting and grinding	5	17	40	----	239	36,934	45,748	1,407,269	8,241	1,728,478	312,968
Compressed and liquefied gases	4	44	42	----	1,170	90,116	69,867	167,822	51,416	639,239	420,001
Concrete products	12	13	57	4	313	19,980	72,913	178,334	5,545	444,962	261,083
Confectionery [1]	12	28	172	150	215	61,405	136,152	468,493	12,316	857,364	376,555
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	7	41	206	----	223	93,853	278,076	780,358	12,254	1,461,638	669,026
Druggists' preparations	8	47	126	----	223	108,334	105,906	344,626	7,022	931,041	579,393
Electroplating	3	3	19	----	80	3,980	27,636	2,400	3,667	55,354	49,287
Flavoring extracts and flavoring syrups	4	6	18	----	6	10,197	18,966	112,844	1,108	170,414	56,462
Foundry and machine-shop products, not elsewhere classified	35	816	4,378	2,790	12,421	2,448,228	6,719,345	8,979,767	616,932	28,650,580	19,053,881
Furniture, including store and office fixtures	9	88	456	675	1,922	294,700	585,586	1,087,836	34,871	2,678,515	1,555,808
Hardware not elsewhere classified	3	7	16	----	81	12,517	26,608	25,746	1,190	114,327	87,391
Ice cream [1]	7	89	186	860	1,676	166,815	254,918	949,568	39,771	2,206,584	1,217,245
Machine-tool accessories and small metal-working tools, not elsewhere classified	4	12	123	----	161	35,855	215,276	50,815	6,190	423,338	366,333
Mattresses and bed springs, not elsewhere classified	5	12	64	----	258	26,556	81,201	181,344	4,984	365,745	179,417
Models and patterns, not including paper patterns	5	8	38	----	81	15,672	57,724	12,255	961	115,848	102,632
Motor-vehicle bodies and motor-vehicle parts	8	99	697	----	1,355	257,437	869,703	1,906,865	47,958	4,527,383	2,572,560
Nonferrous-metal alloys and products, not including aluminum products	4	10	53	----	172	24,839	87,140	121,198	5,286	297,290	170,806
Paints and varnishes	6	32	96	----	665	106,493	167,332	959,165	11,850	1,744,830	773,815
Patent or proprietary medicines and compounds	9	16	58	----	59	72,798	44,965	113,600	2,104	817,975	700,271
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	17	23	116	----	2,200	53,787	180,859	378,516	26,087	813,747	409,144
Printing and publishing, book and job	56	170	674	----	728	468,792	1,110,020	989,033	44,734	3,598,469	2,564,702
Printing and publishing, newspaper and periodical	35	857	623	18	2,397	1,782,036	1,181,366	1,920,940	61,399	8,867,225	6,884,886
Signs and advertising novelties	6	9	29	----	19	23,545	48,471	39,640	1,754	164,013	122,619
Stationery goods, not elsewhere classified	4	26	99	----	145	72,373	104,816	267,314	5,169	562,365	289,882
Stereotyping and electrotyping, not done in printing establishments	3	14	32	----	203	49,872	59,467	62,364	3,468	202,642	136,810
Window shades and fixtures	6	4	13	----	6	15,282	14,921	127,362	629	200,715	72,724
Other industries	194	1,807	13,353	11,510	29,871	5,162,869	18,865,133	71,178,377	2,111,566	121,088,545	47,798,602

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for each of the following-named industries include data for 1 establishment located outside Columbus, to avoid disclosing the figures reported by an individual establishment: Bread and other bakery products; confectionery; ice cream.

DAYTON

[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry, namely, "Refrigerators, mechanical," without disclosing the data reported by an individual establishment; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	477	7,670	40,842	25,175	81,622	$20,465,129	$62,532,045	$108,653,824	$3,104,905	$317,773,160	$206,014,431

TOLEDO

[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry, namely, "Motor vehicles, not including motorcycles," without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	586	6,408	49,090	51,166	123,064	$20,560,302	$72,481,194	$223,144,149	$10,041,348	$429,599,926	$196,414,429

YOUNGSTOWN

[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry, namely, "Iron and Steel: Steel works and rolling mills," without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	140	3,305	20,543	367,658	59,363	$8,634,430	$37,001,679	$145,026,217	$24,985,857	$264,520,034	$94,507,960

OKLAHOMA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	1,658	31,695	223,257	115,987	107,270	$41,276,993	$306,501,497	$297,452,619	$9,048,878	$455,905,297	$149,403,800
1927	1,373	27,932	185,480	115,253	70,227	35,785,266	269,418,221	256,479,662	12,938,559	371,718,409	102,300,188
1925	1,282	26,333	156,826	105,400	51,426	34,210,630	301,147,045	(4)	(4)	403,295,440	102,148,395
1923	1,242	25,489	152,956	103,374	49,582	33,068,705	230,262,587	(4)	(4)	315,208,308	84,945,721
1921	1,398	22,241	(5)	(5)	(5)	29,531,545	203,802,434	(4)	(4)	283,763,685	79,961,251
1919	2,445	29,503	139,550	104,115	35,435	35,025,942	312,605,829	301,539,816	11,066,013	401,362,869	88,757,040
1914	2,518	17,443	97,103	87,035	10,068	11,011,043	70,969,750	68,152,836	2,816,914	102,005,693	31,035,943
1909	2,310	13,143	71,072	65,791	5,281	7,240,177	34,152,894	32,848,137	1,304,757	53,682,405	19,529,511
1904	1,123	5,456	29,448	28,851	597	2,799,402	16,393,952	15,783,057	610,895	24,459,107	8,065,155
1899	495	2,381	11,507	11,507	----------	894,067	5,430,447	(6)	(6)	8,133,936	2,703,489
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	20.8	13.5	20.4	0.6	52.7	15.3	13.8	16.0	—30.1	22.6	46.0
1925–1927	7.1	6.1	18.3	9.3	36.6	4.6	—10.5	----------	----------	—7.8	0.1
1923–1925	3.2	3.3	2.5	2.0	3.7	3.5	30.8	----------	----------	27.9	20.3
1921–1923	—11.2	14.6	----------	----------	----------	12.0	13.0	----------	----------	11.1	6.2
1919–1921	—42.8	—24.6	----------	----------	----------	—15.7	—34.8	----------	----------	—29.3	—9.9
1919–1929	—32.2	7.4	60.0	11.4	202.7	17.8	—2.0	—1.4	—18.2	13.6	68.3
1909–1919	5.8	124.5	96.4	58.3	571.0	383.8	815.3	818.0	748.1	647.7	354.5
1899–1909	366.7	452.0	517.6	471.7	----------	709.8	528.9	----------	----------	560.0	622.4

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	2,396,040	1,658	31,695	223,257	$41,276,993	$306,501,497	$297,452,619	$9,048,878	$455,905,297	$149,403,800
Counties [3]										
Adair	14,756	12	191	425	122,592	141,449	139,795	1,654	337,728	196,279
Alfalfa	15,228	5	41	422	42,503	427,295	417,577	9,718	649,458	222,163
Atoka	14,533	7	35	245	39,035	25,688	22,720	2,968	109,450	83,762
Beckham	25,991	20	184	1,174	209,622	2,021,281	1,983,437	37,844	2,738,473	717,192
Bryan	32,277	15	91	1,067	83,576	942,112	912,845	29,267	1,304,320	362,208
Caddo	50,779	22	164	1,601	200,165	2,422,090	2,375,058	47,032	3,087,947	665,857
Canadian	28,115	19	517	4,307	686,729	6,137,280	6,033,155	104,125	8,043,763	1,906,483
Carter	41,419	37	486	2,543	617,661	4,720,103	4,614,568	105,135	6,758,744	2,063,641
Cherokee	17,470	9	22	372	21,022	51,121	45,494	5,627	150,034	68,913
Choctaw	24,142	17	127	1,027	96,325	1,025,207	1,010,200	15,007	1,390,429	365,222
Cleveland	24,948	14	79	722	106,222	241,743	225,234	16,509	548,945	307,202
Comanche	34,317	23	176	1,477	183,505	1,667,240	1,626,356	40,884	2,332,501	665,261
Cotton	15,442	5	15	223	17,466	175,612	167,085	8,527	221,730	46,118
Craig	18,052	6	34	283	27,704	147,818	142,587	5,231	249,895	102,077
Creek	64,115	43	901	6,287	1,256,568	14,532,258	14,199,804	332,284	18,932,706	4,380,467
Custer	27,517	15	128	1,099	108,365	1,929,586	1,896,394	33,192	2,383,188	453,602
Garfield	45,588	60	1,064	11,685	1,493,740	20,218,302	19,856,904	361,398	26,826,349	6,608,047
Garvin	31,401	15	94	1,325	104,083	816,408	791,931	24,477	1,156,740	340,332
Grady	47,638	24	417	2,399	502,053	3,021,881	2,953,068	68,813	4,410,974	1,389,093
Greer	20,282	11	76	801	87,378	307,757	292,091	15,666	731,410	243,623
Haskell	16,216	6	14	138	12,820	14,924	12,989	1,935	45,736	30,812
Hughes	30,334	15	65	681	72,148	272,558	256,833	15,725	561,903	289,345
Jackson	28,610	22	282	1,999	270,081	1,783,866	1,704,713	79,153	2,643,208	861,342
Jefferson	17,892	6	57	366	64,099	153,794	172,924	11,710	313,278	129,484
Kay	50,186	56	1,899	22,044	2,796,666	33,770,170	32,317,322	1,452,848	42,960,162	9,219,992
Kingfisher	15,960	10	71	1,121	75,334	1,573,102	1,547,596	25,206	1,937,828	364,726
Kiowa	29,530	25	167	2,189	144,044	2,250,832	2,219,753	31,079	2,823,228	572,396
Latimer	11,184	6	25	251	15,540	43,328	41,712	1,616	98,549	55,221
Le Flore	42,896	26	570	3,610	779,518	514,594	475,220	39,374	2,127,729	1,612,835
Lincoln	33,738	18	95	1,436	79,551	695,393	662,770	32,623	977,732	282,339
Logan	27,761	19	266	1,868	239,013	1,381,607	1,335,502	46,105	2,209,059	827,452
Love	9,639	3	14	286	12,285	14,733	8,237	6,496	45,372	30,639
McIntosh	24,924	6	21	475	22,995	309,816	299,356	10,420	377,036	67,220
Major	12,206	6	22	176	32,229	123,859	119,714	6,145	203,820	77,961
Marshall	11,026	4	14	87	12,779	12,341	8,196	4,145	82,674	40,333
Mayes	17,853	6	19	111	14,294	58,348	56,310	2,038	103,625	45,277
Murray	12,410	14	35	703	35,671	120,817	116,294	4,523	234,393	113,576
Muskogee	66,424	66	1,394	7,059	1,953,310	11,979,520	11,741,631	237,889	16,735,096	4,755,576
Noble	15,139	7	41	498	49,855	931,453	911,317	20,136	1,226,010	294,557
Nowata	13,617	7	39	262	44,601	47,977	42,688	5,289	143,203	95,226
Okfuskee	29,016	10	54	935	78,393	107,843	99,004	8,839	297,015	189,172
Oklahoma	221,738	261	6,552	25,698	8,869,453	69,359,699	68,773,444	926,505	107,036,869	37,637,250
Okmulgee	56,358	48	1,168	7,910	1,703,074	12,253,040	11,501,244	753,796	17,366,836	5,111,796
Ottawa	38,542	25	244	1,807	279,130	1,966,878	1,941,222	55,656	2,956,485	956,607
Payne	36,908	30	758	7,078	988,600	19,495,608	19,045,015	450,588	24,764,925	5,269,322
Pittsburg	50,778	37	519	1,913	568,273	3,494,329	3,338,332	155,997	4,853,926	1,359,097
Pontotoc	32,469	19	594	12,157	710,931	5,278,044	4,723,674	554,370	8,602,211	3,324,167
Pottawatomie	66,372	31	940	5,361	1,120,116	4,053,028	3,925,248	127,780	6,089,640	2,036,612
Pushmataha	14,744	14	379	1,412	408,337	198,379	194,921	3,458	957,823	759,444
Rogers	18,956	6	21	207	30,114	40,047	34,976	5,071	116,679	76,632
Seminole	79,621	24	169	848	285,452	473,530	404,749	68,781	1,224,638	751,108
Stephens	33,069	28	216	1,694	222,268	2,600,160	2,543,531	56,629	3,935,308	1,335,148
Texas	14,100	4	10	67	9,851	11,179	8,997	2,182	66,416	55,237
Tillman	24,390	16	117	1,152	150,711	1,775,441	1,747,633	27,808	2,513,617	738,176
Tulsa [4]	187,574	220	6,137	43,200	9,137,383	51,432,559	50,035,858	1,396,701	86,655,480	35,222,921
Wagoner	22,428	10	69	828	51,574	581,290	544,930	36,360	497,094	115,804
Washington	37,777	26	959	11,125	1,405,038	4,093,169	3,422,046	671,123	7,681,443	3,588,274
Washita	29,435	7	28	170	33,827	81,544	75,288	6,256	176,119	94,575
Woods	17,005	15	95	1,343	109,376	1,039,738	1,011,160	28,578	1,609,137	569,399
Woodward	15,544	12	99	452	119,455	1,219,466	1,197,492	21,974	1,679,804	460,338
All other counties [5]	294,040	105	2,145	12,940	2,236,372	9,766,558	9,406,675	359,883	18,569,348	8,802,790
Cities having 10,000 inhabitants or more [6]										
Ardmore	15,741	27	220	1,465	253,394	771,607	739,931	31,676	1,593,111	821,504
Bartlesville	14,763	19	103	710	165,555	272,923	245,164	27,759	785,856	512,933
Chickasha	14,099	20	396	2,227	479,691	2,978,157	2,914,721	63,436	4,309,396	1,331,439
Enid	26,399	50	739	6,333	970,892	7,738,730	7,596,298	142,432	10,347,205	2,808,475
Muskogee	32,026	59	1,248	6,386	1,773,582	10,639,847	10,476,086	163,761	14,826,720	4,186,873
Oklahoma City	185,389	245	6,312	23,505	8,540,996	67,799,143	67,001,970	797,173	104,424,116	36,624,973
Okmulgee	17,097	27	410	2,853	541,732	4,138,169	3,977,533	160,636	5,677,168	1,539,099
Ponca City	16,126	18	123	1,407	172,664	807,877	767,972	39,905	1,363,727	555,850
Sapulpa	10,533	15	180	1,058	227,560	431,687	379,665	51,822	1,220,128	788,441
Seminole	11,436	13	100	532	174,010	396,519	345,456	60,063	773,495	376,976
Shawnee	23,283	25	573	4,837	1,074,531	3,795,451	3,679,531	115,920	5,708,484	1,913,033
Tulsa [7]	141,258	177	3,087	17,413	4,891,334	9,544,558	9,032,230	512,328	26,820,277	17,275,719

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group, "All other counties." Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.

[4] For statistics by industries for this county, see Table 13.

[5] Beaver, Blaine, Cimarron, Coal, Delaware, Dewey, Ellis, Grant, Harmon, Harper, Johnston, McClain, McCurtain, Osage, Pawnee, Roger Mills, and Sequoyah Counties. (See footnote 3.)

[6] Not including Ada, Lawton, McAlester, and Wewoka, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments located outside the cities but within the counties in which the cities are situated.

[7] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	39,632	36,125	3,507	994	935	59	[2] 802	[2] 745	[2] 57	[2] 6,141	[2] 4,919	[2] 1,222	31,695	[3] 29,526	[3] 2,169
1919 [1, 4]	38,314	35,134	3,180	2,320	2,244	76	628	609	19	5,863	4,635	1,228	29,503	27,646	1,857
1914 [4]	22,700	21,295	1,405	2,464	2,394	70	355	353	2	2,438	2,099	339	17,443	16,449	994
1909	18,034	17,071	963	2,698	2,628	70	284	278	6	1,909	1,700	209	13,143	12,465	678

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 44; male, 43; female, 1. Other salaried officers and employees—total, 626; male, 457; female, 169. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the Industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	31,695	30,109	*29,886*	30,199	30,379	30,794	31,964	32,467	33,560	**33,854**	33,547	**31,538**	32,043	88.3
1919 [1]	29,503	28,279	28,209	28,518	*27,897*	28,236	28,020	28,648	30,096	30,810	31,482	31,582	**32,259**	86.5
1914 [1]	17,443	17,365	17,176	17,164	17,493	17,807	17,334	17,232	*16,892*	17,398	18,088	17,911	17,446	93.4
1909 [1]	13,143	11,826	*11,782*	12,237	12,285	12,518	12,905	13,153	13,465	13,826	**14,659**	14,551	14,505	80.4

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,658	31,695	45 and over but under 48	13	266
			48	388	7,167
Not reported	222	650	Over 48 but under 54	101	2,296
Under 40	23	161	54	174	3,096
40	12	1,306	Over 54 but under 60	116	8,570
Over 40 but under 44	8	87	60 and over	471	6,854
44 and over but under 45	130	1,242			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,658	2,445	2,310	31,695	29,503	13,143	51 to 100	56	46	20	3,916	3,168	1,326
							101 to 250	30	37	9	4,672	6,209	1,635
No wage earners	33	427	262				251 to 500	16	11	1	5,107	3,323	253
1 to 5	880	1,409	1,597	2,538	2,956	3,315	501 to 1,000	7	1	1	[1] 5,610	818	754
6 to 20	477	374	352	4,960	4,009	3,724	1,001 to 2,500	1	4			4,725	
21 to 50	158	136	68	4,892	4,295	2,136							

[1] Combined to avoid disclosing number of wage earners reported by an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,658	2,445	2,310	31,695	29,503	13,143	$455,905,297	$401,362,869	$53,682,405	$149,403,800	$88,757,040	$19,529,511
Less than $5,000	(2)	710	1,182	(2)	397	1,668	(2)	1,846,360	2,675,597	(2)	1,151,348	1,792,560
$5,000 to $19,999	606	848	727	1,592	1,825	2,863	6,822,242	8,819,984	7,194,668	4,390,500	4,893,614	4,142,194
$20,000 to $99,999	650	541	295	4,955	4,217	3,908	29,013,222	24,158,638	13,057,308	17,395,963	11,360,589	5,877,865
$20,000 to $49,999	433	(3)	(3)	2,483	(3)	(3)	13,932,329	(3)	(3)	8,386,060	(3)	(3)
$50,000 to $99,999	217	(3)	(3)	2,472	(3)	(3)	15,080,893	(3)	(3)	9,009,903	(3)	(3)
$100,000 to $499,999	261	215	102	7,161	6,087	4,406	57,798,006	47,539,096	25,870,562	26,359,936	16,810,315	7,001,117
$100,000 to $249,999	178	(3)		3,658	(3)		27,988,502	(3)		14,182,390	(3)	
$250,000 to $499,999	83	(3)		3,503	(3)		29,809,504	(3)		12,177,546	(3)	
$500,000 to $999,999	60	59		3,812	3,904		42,528,026	40,090,378		14,136,195	10,968,092	
$1,000,000 and over	81	72	4	14,175	13,073	298	319,743,801	278,908,413	4,884,270	87,121,206	43,573,082	715,775
$1,000,000 to $2,499,999	49	(3)	(3)	5,560	(3)	(3)	74,961,028	(3)	(3)	25,730,837	(3)	(3)
$2,500,000 to $4,999,999	19	(3)	(3)	3,156	(3)	(3)	67,661,017	(3)	(3)	17,739,045	(3)	(3)
$5,000,000 and over	13	(3)	(3)	5,459	(3)	(3)	177,121,756	(3)	(3)	43,651,324	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,658	2,445	31,695	29,503	$455,905,297	$401,362,869	$149,403,800	$88,757,040
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	794	708	27,360	25,267	426,126,059	367,461,271	135,468,289	75,646,785
Other forms of ownership or control (individual, partnership, etc.)	864	1,737	4,335	4,236	29,779,238	33,901,598	13,935,511	13,110,255
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	333	(1)	16,909	(1)	300,556,163	(1)	85,647,981	(1)
Independent (single-unit)	1,325	(1)	14,786	(1)	155,349,134	(1)	63,755,819	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
			Prime movers								Electric motors driven by purchased energy			
	Aggregate horsepower	Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	223,257	115,987	503	48,673	94	39,380	244	27,934	------	------	12,092	107,270	2,398	55,053
1927	185,480	115,253	412	48,951	70	46,045	261	20,257	------	------	8,366	70,227	2,576	54,791
1925	156,826	105,400	527	54,600	31	31,502	280	19,268	1	30	6,102	51,426	1,928	46,991
1919 [1]	139,550	104,115	1,041	72,723	39	6,984	744	24,133	22	275	3,976	35,435	981	19,170
1914 [1]	97,103	87,035	[2] 842	[2] 70,803	(3)	(3)	685	15,976	11	256	1,716	10,068	608	13,692
Counties in which aggregate horsepower exceeded 25,000: 1929														
Oklahoma	25,698	10,175	28	[4] 9,428	1	(4)	9	747	------	------	2,346	15,523	264	6,024
Tulsa	43,200	13,154	29	2,005	41	6,067	33	5,082	------	------	2,920	30,046	281	5,848

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for steam turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	223,257	115,987	107,270	55,053	Logan	1,868	1,290	578	183
					Love	286		286	
Adair	428	325	103		McIntosh	475	250	225	
Alfalfa	422	325	97		Major	176	150	26	
Atoka	245	80	165		Marshall	87		87	
Beckham	1,174	735	439						
Bryan	1,067	467	600		Mayes	111	7	104	
					Murray	703	162	541	
Caddo	1,601	1,229	372		Muskogee	7,059	2,425	4,634	18
Canadian	4,307	2,365	1,942	715	Noble	498	400	98	[2]
Carter	2,543	855	1,688		Nowata	202	110	92	
Cherokee	372	140	232						
Choctaw	1,027	290	737	62	Okfuskee	958	25	933	
					Oklahoma	25,698	10,175	15,523	6,024
Cleveland	722	400	322	25	Okmulgee	7,910	2,453	5,457	1,685
Comanche	1,477	300	1,177		Ottawa	1,807	468	1,339	
Cotton	223	80	143		Payne	7,078	1,832	5,246	99
Craig	263	24	239						
Creek	6,287	3,843	2,444	1,180	Pittsburg	1,913	1,083	830	
					Pontotoc	12,187	11,055	1,132	10,008
Custer	1,099	498	601		Pottawatomie	5,361	1,950	3,411	
Garfield	11,685	6,222	5,463	3,322	Pushmataha	1,412	1,297	115	
Garvin	1,325	710	615		Rogers	207	75	132	50
Grady	2,399	1,865	534						
Greer	801	700	101		Seminole	848	290	558	
					Stephens	1,694	600	1,094	
Haskell	138	80	58		Texas	67		67	
Hughes	681	300	381		Tillman	1,152	760	392	
Jackson	1,999	1,228	771		Tulsa	43,200	13,154	30,046	5,848
Jefferson	506	325	181						
Kay	22,044	12,648	9,396	7,677	Wagoner	828	720	108	300
					Washington	11,125	10,576	549	7,003
Kingfisher	1,121	280	841		Washita	170	113	57	
Kiowa	2,189	1,700	489	110	Woods	1,343	1,080	263	300
Latimer	251	163	88		Woodward	452	240	212	10
Le Flore	3,610	3,368	242	2,775	All other counties [3]	12,940	10,790	2,150	[2] 7,593
Lincoln	1,436	912	524	66					

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Item for Noble County included with that for "All other counties" to avoid disclosing data for a single establishment.
[3] Beaver, Blaine, Cimarron, Coal, Delaware, Dewey, Ellis, Grant, Harmon, Harper, Johnston, McClain, McCurtain, Osage, Pawnee, Roger Mills, and Sequoyah Counties.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	167,783	$524,572	312,844	321,717	528,499	431,629	307,995
Anthracite (tons, 2,240 lbs.)	22,978	123,504	[3]	23,478	44,433	1,682	9,972
Bituminous (tons, 2,000 lbs.)	142,048	401,068	[3]	295,422	478,734	429,745	296,826
Coke (tons, 2,000 lbs.)	43,442	210,102	[4]	[4]	37,409	29,879	4,279
Fuel oils, including crude oils and gas oils (gallons) [5]	189,079,605	3,480,296	[4]	[4]	132,852,384	9,432,150	6,930,672
Gasoline and kerosene (gallons) [5]	167,363	22,641	[4]	[4]	382,536		
Gas, natural (M cu. ft.)	43,954,745	5,398,411	[4]	[4]	40,523,914	24,078,701	9,866,461
Gas, manufactured (M cu. ft.)	3,915,218	767,675	[4]	[4]			
Other fuels		96,528	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	140,278,496	2,384,233	[6]	[4]	[4]	[4]	[4]
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 12,884,458	$12,938,559	[6]	$11,066,013	$2,816,914	$1,304,757

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	1,658	6,943	31,695	115,987	107,270	$16,326,552	$41,276,993	$297,452,619	$9,048,878	$455,905,297	$149,403,800
Awnings, tents, sails, and canvas covers	12	27	68		32	55,424	63,473	232,190	1,877	439,238	205,171
Beverages	92	90	372	35	807	184,059	434,274	1,088,169	42,444	2,871,338	1,740,725
Bookbinding and blank-book making	5	3	20		15	6,380	20,654	19,543	772	89,576	69,261
Boxes, wooden, except cigar boxes	3	3	17		117	7,200	20,772	85,346	1,887	131,871	44,638
Bread and other bakery products	209	169	1,706	170	3,710	345,142	2,090,017	5,998,702	248,972	13,222,090	6,974,416
Brooms	12	1	56	6	56	(4)	53,843	105,650	1,948	219,858	112,260
Butter	40	106	257	172	1,578	162,145	286,389	9,862,594	93,123	11,483,912	1,528,195
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	16	35	184	117	105	45,087	72,156	507,606	7,517	818,250	303,127
Car and general construction and repairs, electric-railroad repair shops	7	21	199		583	47,616	269,273	205,929	5,398	531,880	320,553
Car and general construction and repairs, steam-railroad repair shops	23	173	2,283	1,590	5,127	455,241	3,617,601	2,303,124	216,019	6,593,208	4,074,065
Cheese	4		2	15	19		(4)	58,823	1,170	69,954	9,961
Clay products (other than pottery) and nonclay refractories	17	52	583	1,545	2,888	107,618	573,272	56,879	367,372	1,893,509	1,469,258
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	4	20	176		295	47,658	112,108	262,440	3,363	489,207	223,404
Coffee and spice, roasting and grinding	14	45	69		462	133,377	75,710	2,363,128	13,792	3,179,368	802,448
Compressed and liquefied gases	9	62	46		1,280	106,233	61,624	207,976	71,406	945,515	666,133
Concrete products	13	28	124	79	264	105,976	139,683	190,281	6,134	542,791	346,376
Confectionery	17	23	124		169	51,295	99,368	492,809	11,395	883,837	379,633
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	17	17	108		250	34,413	165,841	230,907	5,660	686,748	390,181
Explosives	4	2	5	72		(4)	11,450	58,599	576	286,914	227,739
Feeds, prepared, for animals and fowls	11	26	84		1,136	51,158	95,523	1,758,930	26,579	2,138,709	353,200
Flour and other grain-mill products	71	321	746	7,781	8,352	735,002	858,397	23,541,750	280,087	28,602,038	4,780,201
Food preparations, not elsewhere classified	4	1	10		5	(4)	12,739	31,917	1,595	64,677	31,165
Foundry and machine-shop products, not elsewhere classified	94	398	1,973	2,495	9,445	1,289,125	3,193,611	5,408,972	247,926	15,467,328	9,810,430
Furniture, including store and office fixtures	6	25	117		106	62,437	165,706	364,700	2,642	633,294	265,952
Glass	10	90	943	2,295	1,718	324,983	1,147,719	1,900,799	341,428	5,025,276	2,786,049
Hand stamps and stencils and brands	3	5	10		2	9,420	10,690	22,510	555	61,350	38,285
Ice cream	52	98	288	17	2,752	214,159	363,528	1,761,415	105,522	3,707,464	1,840,527
Ice, manufactured	137	253	950	17,109	13,824	542,616	1,158,261	229,773	685,635	5,364,356	4,448,948
Lumber and timber products, not elsewhere classified	55	162	2,883	10,815	30	383,263	2,303,429	1,225,419	4,988	5,961,066	4,730,659
Marble, granite, slate, and other stone products	16	34	173	230	941	147,082	281,035	316,570	19,091	1,245,259	909,598
Mattresses and bed springs, not elsewhere classified	14	19	136		404	50,014	176,655	568,499	10,484	1,007,221	428,238
Models and patterns, not including paper patterns	3		7		37		13,186	4,746	305	37,060	32,009
Oil, cake, and meal, cottonseed	45	201	853	12,554	4,108	412,191	647,664	16,148,179	236,490	20,052,498	3,607,829
Peanuts, walnuts, and other nuts, processed or shelled	4	9	77		440	34,189	49,459	634,778	7,065	814,833	172,990
Petroleum refining	48	1,174	5,164	27,775	25,820	3,085,201	7,914,449	139,968,564	2,875,386	183,681,931	40,837,981
Photo-engraving, not done in printing establishments	5	18	36		64	87,408	97,526	33,981	5,470	336,251	296,800
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	40	93	350	450	2,217	244,253	514,815	1,217,071	25,622	2,497,760	1,255,067
Poultry killing, dressing, and packing, wholesale	13	35	262	140	462	55,758	230,120	3,134,031	21,348	3,743,464	588,085
Printing and publishing, book and job	112	212	681		1,002	543,352	917,069	1,119,527	48,596	3,899,456	2,731,333
Printing and publishing, newspaper and periodical	216	1,547	1,806	14	3,266	3,008,506	3,075,681	3,349,421	153,062	15,975,131	12,472,648
Pumps (hand and power) and pumping equipment	4	18	62		227	61,393	104,180	437,371	6,711	840,427	396,345
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	5		10		86		13,188	142,427	6,783	210,256	61,046
Shirts	4	10	43		62	24,215	32,204	387,530	1,161	636,629	247,938
Signs and advertising novelties	13	27	98		28	63,075	138,634	129,043	5,153	561,759	427,563
Smelting and refining, zinc	4	74	1,406	3,036	590	142,811	1,917,587	8,857,375	1,184,719	12,732,286	2,690,192
Stoves and ranges (other than electric) and warm-air furnaces	7	15	53		64	29,547	49,554	122,858	1,795	256,722	132,069
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	12	161	697		1,663	402,546	905,465	3,502,497	41,701	5,729,185	2,184,987
Window and door screens and weather strip	6	23	68		180	73,868	62,221	140,666	2,768	450,730	307,296
Wirework, not elsewhere classified	3	5	25		17	3,480	30,259	44,291	489	94,070	49,290
Other industries	123	1,012	5,285	27,475	10,465	2,350,616	6,628,931	56,556,314	1,536,897	88,694,747	30,601,536

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 670 employees of central administrative offices, with salaries aggregating $2,022,550. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR OKLAHOMA COUNTY, AND GENERAL STATISTICS, BY INDUSTRIES, FOR TULSA COUNTY: 1929

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
OKLAHOMA COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Meat packing, wholesale," without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	261	1,862	6,552	10,175	15,523	$4,362,519	$8,869,483	$68,472,804	$926,805	$107,036,889	$37,637,280
TULSA COUNTY											
[This table presents separate figures for each industry for which it is possible to publish such figures, without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the industries shown separately]											
All industries, total	220	1,843	6,137	13,154	30,046	$4,861,040	$9,137,383	$50,025,858	$1,406,701	$86,655,480	$35,222,921
Awnings, tents, sails, and canvas covers	4	11	25	-------	7	15,050	28,358	83,731	674	175,334	90,929
Beverages	7	14	43	-------	99	24,871	54,538	128,532	3,848	326,425	194,045
Bread and other bakery products	15	32	226	-------	605	70,652	331,300	723,498	37,477	1,676,351	915,376
Car and general construction and repairs, electric-railroad repair shops	3	6	52	-------	126	9,109	68,905	34,186	1,407	113,607	78,014
Coffee and spice, roasting and grinding	4	10	17	-------	82	39,008	23,438	406,915	3,171	533,308	123,222
Concrete products	3	3	10	-------	61	4,910	10,537	17,212	563	50,767	32,992
Foundry and machine-shop products, not elsewhere classified	35	214	1,050	2,400	5,131	775,556	1,692,639	3,455,344	128,271	9,237,619	5,654,004
Ice, manufactured	8	17	132	1,422	2,197	77,041	190,576	31,085	113,844	908,924	763,995
Models and patterns, not including paper patterns	3	-------	7	-------	37	----------	13,186	4,746	305	37,060	32,009
Petroleum refining	4	553	1,513	8,530	8,167	1,487,472	2,407,765	35,764,789	536,988	49,785,155	13,483,378
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	10	31	112	60	717	84,790	186,687	441,299	7,510	860,970	412,161
Printing and publishing, book and job	27	51	152	-------	222	168,429	238,126	322,526	11,236	1,157,169	823,407
Printing and publishing, newspaper and periodical	8	475	373	-------	557	926,601	714,716	1,010,135	26,793	4,569,478	3,532,550
Signs and advertising novelties	4	12	47	-------	6	37,663	67,586	56,977	971	299,686	241,738
Other industries	85	414	2,378	742	12,032	1,139,888	3,109,026	7,544,883	533,643	16,923,627	8,845,101

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 14.—COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR OKLAHOMA CITY, AND GENERAL STATISTICS, BY INDUSTRIES, FOR TULSA: 1929

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products[a]	Value added by manufacture[b]
				Prime movers	Electric motors driven by purchased energy						
OKLAHOMA CITY											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Meat packing, wholesale," without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	245	1,822	6,312	9,833	13,672	$4,274,930	$8,540,696	$67,001,970	$797,173	$104,424,116	$36,624,973
TULSA											
[This table presents separate figures for each industry for which it is possible to publish such figures, without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group, "Other industries." Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of the industries shown separately. The totals for all industries do not include data for a few establishments located outside the city (see footnotes 1 and 2), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	177	1,048	3,087	4,054	13,359	$2,826,652	$4,891,334	$9,032,210	$512,348	$26,820,277	$17,273,719
Awnings, tents, sails, and canvas covers	4	11	23	-------	7	15,050	28,358	83,731	674	175,334	90,929
Beverages [1]	7	14	43	-------	99	24,571	54,538	128,532	3,848	326,425	194,045
Bread and other bakery products [1]	15	32	226	-------	605	70,652	331,300	723,498	37,477	1,676,351	915,376
Concrete products	3	3	10	-------	61	4,910	10,537	17,212	563	50,787	32,992
Foundry and machine-shop products, not elsewhere classified	29	161	706	2,400	4,494	614,311	1,179,793	2,570,154	101,079	7,154,650	4,483,417
Ice, manufactured	4	14	117	1,142	1,575	72,747	175,563	27,436	102,818	823,284	693,030
Models and patterns, not including paper patterns	3	-------	7	-------	37	----------	13,186	4,746	305	37,060	32,009
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	10	31	112	60	717	84,790	186,687	441,299	7,510	860,970	412,161
Printing and publishing, book and job	27	51	152	-------	222	168,429	238,126	322,526	11,236	1,157,169	823,407
Printing and publishing, newspaper and periodical [2]	8	473	373	-------	537	926,601	714,716	1,010,135	26,793	4,599,478	3,532,550
Signs and advertising novelties	4	12	47	-------	6	37,663	67,586	56,977	971	299,686	241,738
Other industries	67	247	1,277	452	4,699	808,734	1,902,733	3,668,586	220,492	9,744,950	5,555,372

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside Tulsa have been included in those for the city, as specified in footnotes 1 and 2, to avoid disclosing data reported by individual establishments.

[1] Includes data for 1 establishment located outside Tulsa.
[2] Includes data for 2 establishments located outside Tulsa.

OREGON

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	2,463	65,505	418,324	207,599	210,725	$86,828,968	$205,227,190	$198,542,375	$6,684,815	$411,768,975	$206,541,785
1927	1,779	57,179	339,511	188,947	150,564	75,716,972	187,771,163	182,134,441	5,636,722	342,852,371	155,081,208
1925	1,908	59,579	387,749	250,208	137,541	78,208,774	193,609,081	(4)	(4)	352,948,841	159,339,760
1923	1,909	62,655	322,297	204,579	117,718	81,768,700	195,921,895	(4)	(4)	363,715,460	167,793,565
1921	1,730	40,167	(5)	(5)	(5)	49,395,194	123,669,620	(4)	(4)	223,663,602	99,993,982
1919	2,707	58,559	303,795	211,219	92,576	81,093,784	206,206,041	201,354,721	4,851,320	366,782,627	160,576,586
1914	2,320	28,829	214,165	175,155	39,010	20,931,577	63,257,821	61,199,376	2,058,445	109,761,951	46,504,130
1909	2,246	28,750	174,921	160,110	14,811	19,901,934	50,552,470	48,905,258	1,647,212	93,004,845	42,452,375
1904	1,602	18,523	81,270	76,543	4,727	11,443,512	30,596,763	29,880,585	716,178	55,525,123	24,928,360
1899	1,406	14,459	59,687	57,444	2,243	6,822,011	20,788,833	(6)	(6)	36,592,714	15,803,881
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	38.4	14.6	23.2	9.9	40.0	14.7	9.3	9.0	18.6	20.1	33.2
1925–1927	−6.8	−4.0	−12.4	−24.5	9.5	−3.2	−3.0			−2.9	−2.7
1923–1925	−0.1	−4.9	20.3	22.3	16.8	−4.4	−1.2			−3.0	−5.0
1921–1923	10.3	56.0				65.5	58.4			62.6	67.8
1919–1921	−36.1	−31.4				−39.1	−40.0			−39.0	−37.7
1919–1929	−9.0	11.9	37.7	−1.7	127.6	7.1	−0.5	−1.4	37.8	12.3	28.6
1909–1919	20.5	103.7	73.7	31.9	525.0	307.5	307.9	311.7	294.5	294.4	278.3
1899–1909	59.7	98.8	193.1	178.7	560.3	191.7	145.2			154.2	168.6

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	953,786	2,463	65,505	418,324	$86,828,968	$205,227,190	$198,542,375	$6,684,815	$411,768,975	$206,541,785
Counties [3]										
Baker	16,754	30	481	3,922	596,852	1,478,774	1,312,084	166,690	2,578,783	1,100,009
Benton	16,555	57	832	4,887	906,165	1,105,164	1,072,837	32,327	2,866,209	1,761,045
Clackamas	46,205	88	2,183	80,903	3,035,520	10,182,259	8,789,983	1,392,276	19,686,678	9,504,419
Clatsop	21,124	78	2,583	11,257	4,064,594	9,468,328	9,371,308	97,020	18,109,978	8,641,650
Columbia	20,047	48	2,892	14,531	4,147,470	6,831,372	6,681,482	149,890	16,691,447	9,860,075
Coos	28,373	89	3,470	28,337	4,651,233	6,659,374	6,367,364	192,010	15,731,981	9,172,607
Crook	3,336	5	45	335	45,907	84,184	80,626	3,558	179,551	95,367
Curry	3,257	10	27	168	38,040	241,424	235,994	5,430	385,306	143,882
Douglas	21,965	51	990	7,979	1,173,349	2,070,627	2,036,015	34,612	4,583,171	2,512,544
Harney	5,920	5	13	240	14,944	9,426	8,633	793	41,844	32,418
Hood River	8,938	14	333	1,498	391,622	474,032	464,280	9,752	1,366,946	892,914
Jackson	32,918	60	1,286	9,370	1,632,347	2,352,457	2,102,435	250,022	5,857,345	3,504,888
Josephine	11,498	25	199	2,029	242,601	527,929	515,359	12,570	1,050,424	522,495
Klamath	32,407	58	4,850	23,429	7,127,649	5,863,402	5,607,791	255,611	18,690,276	12,826,874
Lake	4,833	15	168	1,266	221,115	260,692	257,347	3,345	829,815	569,123
Lane	54,493	161	3,839	26,052	4,578,669	5,591,188	5,379,598	211,590	15,056,136	9,464,948
Lincoln	9,903	17	916	7,343	1,515,746	998,878	989,300	9,578	4,632,794	3,633,916
Linn	24,700	75	940	6,182	1,013,614	3,170,123	3,062,146	107,977	5,463,192	2,293,069
Malheur	11,269	11	21	116	23,418	94,396	91,614	2,782	177,445	83,049
Marion	60,541	122	3,829	21,535	4,176,894	12,140,852	11,648,110	492,742	23,486,645	11,345,793
Morrow	4,941	6	18	372	21,650	64,646	62,704	1,942	120,730	56,084
Multnomah [4]	338,241	1,087	24,427	107,935	32,652,810	109,849,523	107,215,044	2,634,479	196,707,713	86,858,190
Polk	16,558	50	1,559	7,951	1,960,570	2,236,662	2,199,230	37,432	6,940,217	4,703,555
Tillamook	11,824	48	1,339	6,024	1,800,338	3,583,656	3,521,572	62,084	6,615,753	3,032,097
Umatilla	24,399	38	449	3,065	526,339	5,715,813	5,623,666	92,147	7,250,263	1,534,450
Union	17,492	33	1,201	7,492	1,679,635	1,779,840	1,712,503	67,337	5,099,661	3,319,821
Wallowa	7,814	11	285	1,164	366,132	127,031	125,174	1,857	546,565	419,534
Wasco	12,646	18	364	2,140	393,446	2,197,527	2,143,506	54,021	3,352,432	1,154,905
Washington	30,275	58	1,511	6,528	1,912,820	4,224,495	4,169,169	55,326	8,314,868	4,090,373
Yamhill	22,036	62	1,462	6,849	1,668,275	4,247,890	4,089,775	158,115	8,225,275	3,977,385
All other counties [5]	32,224	33	2,993	14,425	4,249,204	1,695,226	1,605,726	89,500	11,129,532	9,434,306
Cities having 10,000 inhabitants or more										
Astoria	10,349	54	670	3,974	884,249	4,453,037	4,376,915	76,122	6,851,870	2,398,833
Eugene	18,901	45	861	5,367	1,007,878	2,942,061	2,816,287	125,774	5,042,582	2,100,521
Klamath Falls	16,093	27	1,294	9,072	2,011,239	2,099,930	1,990,362	109,568	5,574,251	3,474,321
Medford	11,007	29	231	1,229	284,552	885,769	848,470	37,290	1,649,214	763,454
Portland [6]	301,815	1,039	21,380	93,261	28,472,917	92,417,853	90,034,308	2,383,545	169,821,295	77,403,442
Salem	29,266	62	2,201	15,240	2,205,880	8,188,704	7,766,766	421,938	15,347,291	7,158,587

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each county in which 10 wage earners or more were employed, and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group, "All other counties." Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
[4] For statistics by industries for this county, see Table 13.
[5] Deschutes, Gilliam, Grant, Sherman, and Wheeler Counties. (See footnote 3.) No manufacturing reported from Jefferson County.
[6] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	75,567	65,871	9,696	1,702	1,612	90	[2] 1,381	[2] 1,287	[2] 94	[2] 6,979	[2] 5,232	[2] 1,747	65,505	[3] 57,740	[3] 7,765
1919 [1, 4]	68,005	61,519	6,486	2,540	2,463	77	917	878	39	5,989	4,432	1,557	58,559	53,746	4,813
1914 [4]	35,449	32,625	2,824	2,189	2,117	72	537	527	10	3,894	3,216	678	28,829	26,765	2,064
1909	34,722	31,849	2,873	2,499	2,453	46	344	340	4	3,129	2,576	553	28,750	26,480	2,270

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 88; male, 87; female, 1. Other salaried officers and employees—total, 465; male, 345; female, 120. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	65,505	*52,801*	54,245	60,345	63,085	65,502	71,020	72,380	72,011	75,057	72,854	66,378	60,382	70.3
1919 [1]	58,559	55,393	54,251	**57,708**	59,180	61,804	61,122	61,965	**62,488**	60,261	60,641	58,396	*49,499*	79.2
1914 [1]	28,829	26,154	26,715	28,527	30,806	**31,596**	31,540	31,095	30,505	29,243	28,421	26,531	*24,815*	78.5
1909 [1]	28,750	*23,554*	24,833	26,859	29,179	30,302	30,806	30,175	30,269	**30,978**	30,402	29,423	28,416	75.4

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	2,463	65,505	45 and over but under 48	43	487
			48	1,366	45,975
Not reported	103	256	Over 48 but under 54	50	1,083
Under 40	32	91	54	121	3,728
40	61	2,729	Over 54 but under 60	84	1,485
Over 40 but under 44	11	45	60 and over	173	4,848
44 and over but under 45	419	4,800			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	2,463	2,707	2,246	65,505	58,559	28,750	51 to 100	100	84	59	7,296	6,090	4,225
							101 to 250	74	81	39	11,798	12,623	5,944
No wage earners	104	388	232				251 to 500	44	26	13	15,461	8,609	4,335
1 to 5	1,300	1,421	1,310	3,244	3,136	2,938	501 to 1,000	14	12	3	9,841	8,194	1,822
6 to 20	609	526	449	6,571	5,854	4,757	1,001 to 2,500	4	4		4,451	8,577	
21 to 50	214	165	141	6,843	5,476	4,729	2,501 and over						

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	2,463	2,707	2,246	65,505	58,559	28,750	$411,768,975	$366,782,627	$93,004,845	$206,541,785	$160,576,586	$42,452,375
Less than $5,000	(2)	664	789	(2)	373	957	(2)	1,691,344	1,926,913	(2)	1,179,409	1,343,938
$5,000 to $19,999	1,070	851	786	2,450	2,229	3,214	10,674,335	9,077,091	8,203,981	7,055,396	5,834,548	5,082,474
$20,000 to $99,999	824	712	482	7,339	6,130	7,104	39,342,801	31,975,446	21,453,056	21,912,910	16,214,557	10,626,549
$20,000 to $49,999	491	(3)	(3)	3,148	(3)	(3)	15,707,503	(3)	(3)	9,275,440	(3)	(3)
$50,000 to $99,999	333	(3)	(3)	4,191	(3)	(3)	23,635,298	(3)	(3)	12,637,470	(3)	(3)
$100,000 to $499,999	393	343	181	13,775	14,296	15,110	84,257,777	77,258,954	47,022,078	39,341,502	33,695,754	20,766,801
$100,000 to $249,999	280	(3)		7,316	(3)		44,633,964	(3)		21,740,141	(3)	
$250,000 to $499,999	113	(3)		6,459	(3)		39,623,813	(3)		17,601,361	(3)	
$500,000 to $999,999	89	68		10,693	8,630		62,931,642	46,693,045		32,654,212	21,081,227	
$1,000,000 and over	87	69	8	31,248	26,901	2,365	214,562,420	200,086,747	14,398,817	105,577,765	82,571,091	4,632,813
$1,000,000 to $2,499,999	62	(3)	(3)	17,836	(3)	(3)	100,686,456	(3)	(3)	48,896,038	(3)	(3)
$2,500,000 to $4,999,999	19	(3)	(3)	11,541	(3)	(3)	67,692,725	(3)	(3)	40,203,638	(3)	(3)
$5,000,000 and over	6	(3)	(3)	1,871	(3)	(3)	46,183,239	(3)	(3)	16,478,089	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufactures' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[2] No data

[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1929	1929	1919
Total	2,463	2,707	65,505	58,559	$411,768,975	$366,782,627	$206,541,785	$160,576,586
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,133	934	57,965	50,860	372,647,551	322,331,966	185,017,942	140,118,244
Other forms of ownership or control (individual, partnership, etc.)	1,330	1,773	7,540	7,699	39,121,424	44,450,661	21,523,843	20,458,342
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	263	(1)	21,826	(1)	172,166,460	(1)	70,767,196	(1)
Independent (single-unit)	2,200	(1)	43,679	(1)	239,602,515	(1)	135,774,589	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers									Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	418,324	207,599	972	83,738	79	75,039	83	2,238	103	46,584	18,681	210,725	4,738	91,011
1927	339,511	188,947	764	77,078	65	59,421	91	1,872	124	50,576	13,293	150,564	4,636	106,205
1925	387,749	250,208	1,057	135,933	46	57,406	148	6,782	129	50,087	11,351	137,541	3,861	91,736
1919 [1]	303,795	211,219	1,650	140,640	42	25,161	250	2,166	188	43,252	7,544	92,576	1,251	25,611
1914 [1]	214,165	175,155	[2] 1,308	[2] 116,591	(3)	(3)	133	1,289	278	57,275	3,469	39,010	468	9,729
Counties in which aggregate horsepower exceeded 25,000: 1929														
Clackamas	80,903	50,164	70	5,467	4	2,640	2	42	50	42,015	812	30,739	339	7,227
Coos	28,337	18,676	42	3,822	6	14,674	7	180	----	----	766	9,661	340	1,114
Lane	26,052	16,204	165	[4] 13,773	5	2,289	9	142	1	(4)	780	9,848	317	6,185
Multnomah	107,935	22,138	105	10,302	10	10,714	8	124	10	998	10,793	85,797	649	8,343

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	418,324	207,599	210,725	91,011	Lane	26,052	16,204	9,848	6,185
					Lincoln	7,343	6,757	586	6,772
Baker	3,922	986	2,936	200	Linn	6,182	3,125	3,057	----
Benton	4,887	3,126	1,761	----	Malheur	116	20	96	----
Clackamas	80,903	50,164	30,739	7,227	Marion	24,535	8,999	15,536	3,585
Clatsop	11,257	7,922	3,335	4,928					
Columbia	14,531	11,588	2,943	9,922	Morrow	372	238	134	----
					Multnomah	107,935	22,138	85,797	8,343
Coos	28,337	18,676	9,661	1,114	Polk	7,951	4,893	3,058	5,099
Crook	335	215	120	----	Tillamook	6,024	4,750	1,274	4,927
Curry	168	128	40	----	Umatilla	3,065	637	2,428	43
Douglas	7,979	4,646	3,333	1,363					
Harney	240	196	44	----	Union	7,492	5,386	2,106	270
					Wallowa	1,164	990	174	300
Hood River	1,498	1,290	208	1,230	Wasco	2,140	220	1,920	----
Jackson	9,370	3,880	5,490	4,500	Washington	6,528	4,943	1,585	76
Josephine	2,029	1,440	589	----	Yamhill	6,849	4,073	2,776	568
Klamath	23,429	4,694	18,735	3,281	All other counties [2]	14,425	14,060	365	21,078
Lake	1,266	1,215	51	----					

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Deschutes, Gilliam, Grant, Sherman, and Wheeler Counties. No manufacturing reported from Jefferson County.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	69, 169	$363, 605	59, 537	104, 501	74, 739	16, 477	18, 676
Anthracite (tons, 2,240 pounds)	911	12, 010	[3]	1, 118	1, 825	1, 821	462
Bituminous (tons, 2,000 pounds)	68, 149	351, 595	[3]	103, 249	72, 695	14, 437	18, 158
Coke (tons, 2,000 pounds)	4, 894	63, 344	[4]	[4]	10, 970	6, 106	5, 808
Fuel oils, including crude oils and gas oils (gallons) [5]	88, 418, 805	2, 749, 056	[4]	[4]	66, 719, 278	39, 495, 834	26, 163, 082
Gasoline and kerosene (gallons) [6]	324, 693	55, 775	[4]	[4]	834, 666		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	133, 473	102, 935	[4]	[4]	402, 457	61, 988	25, 821
Other fuels		548, 435	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	315, 759, 337	3, 418, 766	[5]	[4]	[4]	[5]	[4]
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 7, 301, 916	$5, 636, 722	[8]	$4, 851, 320	$2, 058, 445	$1, 647, 212

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group, "Other industries." Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [1]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	2, 463	[3] 8, 360	65, 505	207, 599	210, 725	[3] $19, 412, 571	$86, 828, 968	$198, 542, 375	$6, 684, 815	$411, 768, 975	$206, 541, 785
Beverages	29	39	82	18	292	91, 132	120, 541	256, 908	16, 414	752, 967	479, 645
Bookbinding and blank-book making	6	12	37		47	30, 179	58, 671	19, 117	1, 932	148, 722	127, 673
Boxes, paper, not elsewhere classified	9	36	219	45	231	89, 927	221, 410	379, 917	7, 244	866, 513	479, 352
Boxes, wooden, except cigar boxes	20	31	270	525	1, 982	53, 807	320, 476	1, 020, 465	19, 712	1, 507, 923	467, 746
Bread and other bakery products	218	234	1, 647	112	2, 560	485, 013	2, 166, 436	5, 303, 252	277, 704	10, 888, 264	5, 307, 308
Brooms	5	7	45	62	45	19, 347	40, 867	106, 000	2, 266	205, 584	97, 318
Brushes, other than rubber	4	7	35		59	14, 837	32, 624	73, 818	1, 280	183, 074	107, 976
Butter	81	142	403	323	2, 678	268, 928	557, 642	9, 446, 077	149, 050	11, 773, 909	2, 178, 782
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	19	43	333	419	503	133, 070	434, 065	3, 513, 344	31, 487	5, 077, 353	1, 532, 522
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	77	276	4, 101	429	3, 785	540, 900	2, 582, 478	15, 934, 775	165, 405	24, 603, 741	8, 503, 561
Car and general construction and repairs, steam-railroad repair shops	16	160	2, 558	1, 102	5, 735	412, 258	3, 976, 178	3, 806, 658	188, 608	8, 404, 488	4, 409, 222
Cheese	38	26	110	48	357	51, 987	167, 164	2, 943, 529	34, 885	3, 492, 616	514, 202
Clay products (other than pottery) and nonclay refractories	18	28	203	435	1, 261	57, 099	224, 620	26, 775	98, 543	624, 765	499, 447
Cleaning and polishing preparations	3	1	2		5	[4]	2, 300	10, 250	70	22, 798	12, 478
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	11	53	488		171	71, 760	441, 458	1, 059, 652	10, 768	2, 101, 744	1, 031, 324
Clothing, women's, not elsewhere classified	20	53	505		74	110, 764	452, 804	1, 326, 488	9, 077	2, 434, 922	1, 099, 397
Coffee and spice, roasting and grinding	12	36	73		540	102, 964	90, 035	2, 667, 302	19, 224	3, 473, 270	786, 744
Compressed and liquefied gases	4	20	13		457	26, 256	21, 436	29, 320	16, 037	207, 362	162, 005
Concrete products	22	38	101	19	654	90, 936	133, 441	247, 412	9, 798	639, 420	382, 210
Condensed and evaporated milk	4	21	80	190	396	36, 574	91, 039	2, 204, 452	40, 706	2, 634, 580	389, 422
Confectionery	35	84	402	80	515	135, 080	360, 264	1, 086, 809	24, 418	2, 173, 233	1, 062, 006
Cooperage	3	5	16		80	5, 172	20, 186	51, 861	1, 612	97, 492	44, 019
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	66	67	298		263	143, 749	404, 608	743, 234	10, 530	1, 586, 974	833, 210
Electrical machinery, apparatus, and supplies	7	15	61		44	38, 363	90, 785	143, 338	5, 877	313, 068	163, 853
Electroplating	4	4	8		64	3, 748	12, 848	5, 793	2, 488	41, 739	33, 458
Engraving, steel and copperplate, and plate printing	4	1	13		86	[4]	15, 374	20, 479	623	85, 963	64, 861
Feeds, prepared, for animals and fowls	24	140	262	224	3, 509	299, 083	328, 846	5, 505, 115	58, 552	7, 023, 856	1, 460, 189
Flavoring extracts and flavoring sirups	9	18	26	10	62	33, 000	37, 397	113, 985	1, 447	237, 417	121, 985
Flour and other grain-mill products	43	172	514	1, 892	7, 888	337, 123	724, 496	17, 689, 476	162, 273	21, 145, 298	3, 293, 549
Food preparations, not elsewhere classified	15	29	56		154	59, 816	57, 611	497, 433	15, 631	892, 115	379, 051
Foundry and machine-shop products, not elsewhere classified	120	507	1, 981	60	8, 848	1, 219, 473	3, 059, 257	4, 309, 742	215, 321	13, 277, 562	8, 752, 499
Fur goods	12	15	35		13	38, 393	48, 990	128, 271	2, 457	310, 726	179, 998
Furniture, including store and office fixtures	47	184	2, 095	1, 271	4, 681	507, 599	2, 639, 149	4, 113, 092	86, 460	8, 923, 022	4, 723, 470
Gas and electric fixtures; lamps, lanterns, and reflectors	4	15	19		20	24, 461	33, 122	76, 653	853	143, 422	65, 916
Gas, manufactured, illuminating and heating	10	433	410	1, 390	4, 475	784, 039	683, 001	1, 198, 666	620, 283	6, 055, 627	4, 236, 678
Glass products (except mirrors) made from purchased glass	4	3	12		7	4, 524	13, 309	15, 424	296	39, 857	24, 137

See footnotes at end of this table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [2]	Value added by manufacture [3]
Hand stamps and stencils and brands	4	3	12		11	$7,200	$11,010	$17,417	$625	$64,648	$46,606
Ice cream	19	36	145		1,298	57,565	213,187	797,400	49,557	1,771,874	924,917
Ice, manufactured	26	48	126	398	4,418	135,439	205,770	36,251	95,320	855,926	724,355
Iron and steel: Steel works and rolling mills	3	56	230		1,084	159,485	375,377	198,478	63,095	1,143,351	881,778
Jewelry	10	4	34		20	4,164	56,227	41,472	396	161,363	119,495
Knit goods	5	132	611		173	387,289	451,687	1,977,035	12,528	4,827,477	2,837,914
Leather goods, not elsewhere classified	4	3	14		27	6,680	15,900	38,674	609	72,408	33,125
Leather: Tanned, curried, and finished	5	6	35	16	260	5,600	40,327	116,554	4,471	228,860	107,835
Lumber and timber products, not elsewhere classified	608	1,744	34,832	142,242	63,416	5,120,580	45,310,155	40,017,480	963,381	136,589,512	95,608,951
Marble, granite, slate, and other stone products	11	23	87		944	93,678	158,278	170,169	10,533	614,271	433,569
Mattresses and bed springs, not elsewhere classified	8	27	113	6	523	70,916	134,924	372,488	6,833	723,987	344,666
Meat packing, wholesale	26	197	646	549	4,129	470,199	933,945	15,445,373	149,828	18,745,443	3,150,242
Millinery	6	28	130		14	75,318	122,795	136,919	2,068	429,787	290,770
Mirrors, framed and unframed	4	7	21		89	27,443	36,922	139,584	2,693	242,266	99,989
Models and patterns, not including paper patterns	7	3	39		123	7,924	64,860	15,830	1,695	122,855	105,330
Motor-vehicle bodies and motor-vehicle parts	9	25	97		151	56,118	101,965	261,421	5,970	521,353	233,962
Nonferrous-metal alloys and products, not including aluminum products	11	22	69	5	225	58,911	100,503	310,464	12,433	561,613	238,656
Paints and varnishes	12	23	128		442	40,082	163,326	935,588	7,784	1,450,738	507,366
Paper	5	144	1,115	50,322	40,684	374,236	1,728,423	7,324,060	1,179,487	16,229,279	7,725,732
Pulp (wood and other fiber)	8	71	734			154,486	1,127,369	3,647,216	594,855	6,775,430	2,533,359
Paper goods, not elsewhere classified	7	62	172		680	129,595	203,197	986,880	21,235	1,649,716	641,601
Patent or proprietary medicines and compounds	10	10	23	15	111	12,825	22,471	103,778	1,352	228,082	122,952
Photo-engraving, not done in printing establishments	10	35	60		95	105,880	113,584	42,874	4,605	391,631	344,152
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	64	183	1,455	925	11,417	485,542	1,859,330	4,616,326	160,978	8,500,649	3,723,345
Poultry killing, dressing, and packing, wholesale	11	23	78	10	98	42,931	75,164	1,406,986	4,601	1,697,894	286,307
Printing and publishing, book and job	136	263	665		1,248	617,306	1,060,303	1,209,113	42,727	4,249,339	2,997,499
Printing and publishing, newspaper and periodical	157	1,398	1,093	15	2,804	2,383,250	2,062,143	2,329,179	118,396	11,141,320	8,693,745
Saddlery and harness	10	21	116		262	57,328	171,526	398,269	4,986	741,917	338,662
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	6	5	19		104	8,990	34,535	245,776	5,087	347,405	93,542
Ship and boat building, steel and wooden, including repair work	13	29	263	590	1,750	70,014	467,337	373,515	12,455	797,758	411,788
Shirts	7	21	317	140	18	46,190	312,730	973,230	3,713	1,544,316	567,353
Signs and advertising novelties	8	55	133		45	130,641	205,790	294,300	4,487	821,426	612,639
Sporting and athletic goods, not including firearms or ammunition	5	3	32	1	40	4,354	24,837	21,299	406	75,937	54,232
Statuary and art goods, factory product	3	2	9		6	(4)	13,007	6,604	272	37,174	30,298
Stoves and ranges (other than electric) and warm-air furnaces	16	29	185		436	68,335	295,856	369,804	17,599	936,147	668,744
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	10	37	179		1,079	73,482	230,995	437,395	15,779	922,324	469,150
Surgical and orthopedic appliances, including artificial limbs	4	2	15		11	(4)	17,874	21,009	663	63,192	41,520
Trimmings (not made in textile mills) and stamped art goods for embroidering	4		25		21		22,121	8,900	1,306	58,931	48,725
Vinegar and cider	6	8	34		179	16,511	34,008	112,943	3,556	207,393	90,594
Window shades and fixtures	6	11	29		94	21,758	33,365	183,763	1,491	305,168	119,944
Wood preserving	5	22	147	2,180	702	64,515	212,944	1,828,636	43,398	2,607,866	735,612
Wood turned and shaped and other wooden goods, not elsewhere classified	10	16	80	100	531	23,375	86,849	209,926	5,607	441,584	223,301
Woolen goods	8	81	977	1,145	1,634	212,065	1,000,871	1,832,521	86,914	4,307,667	2,388,232
Other industries	143	467	2,618	289	16,795	1,195,980	3,246,352	22,641,594	646,150	35,149,762	11,862,018

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 553 employees of central administrative offices, with salaries aggregating $1,329,120. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS, BY INDUSTRIES, FOR MULTNOMAH COUNTY: 1929

[This tabla presents separata figures for each industry for whicb it is possible to publish such figuras without disclosing, exactly or approximately, the data supplied hy individual astablishments, and gives combined statistics for tha remaining industries as a group, "Other industrias." Certain of the industries for wbich combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
MULTNOMAH COUNTY											
All industries, total	1,087	5,034	24,427	22,138	85,797	$11,227,656	$32,652,810	$107,215,044	$2,634,479	$196,707,713	$86,858,190
Beverages	6	25	50	-------	212	76,562	83,325	148,426	8,478	466,427	309,523
Bookbinding and blank-book making	6	12	37	-------	47	30,179	58,671	19,117	1,932	148,722	127,673
Boxes, wooden, except cigar boxes	8	8	56	-------	314	13,620	56,163	152,434	5,126	267,084	109,524
Bread and other bakery products	121	179	1,115	105	1,681	367,060	1,526,885	3,504,415	170,337	7,505,315	3,830,563
Brooms	5	7	45	62	45	19,347	40,867	106,000	2,266	205,584	97,318
Brushes, other than rubber	4	7	35	-------	59	14,837	32,624	73,818	1,280	183,074	107,976
Butter	10	32	100	125	907	63,614	148,032	2,156,810	25,718	2,685,173	502,645
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	16	47	930	167	818	122,609	675,059	4,799,032	41,323	7,092,460	2,252,105
Clay products (other than pottery) and nonclay refractories	3	7	52	285	375	28,830	71,116	3,568	37,607	222,911	181,736
Cleaning and polishing preparations	3	1	2	-------	5	(1)	2,300	10,250	70	22,798	12,478
Clothing, women's not elsewhere classified	20	53	505	-------	74	110,764	452,804	1,326,448	9,077	2,434,922	1,099,397
Coffee and spice, roasting and grinding	12	36	73	-------	540	102,964	90,035	2,667,302	19,224	3,473,270	786,744
Compressed and liquafied gases	4	20	13	-------	457	26,256	21,436	29,320	16,037	207,362	162,005
Concrete products	10	19	51	3	311	60,918	71,114	166,738	4,444	382,443	211,261
Confectionery	31	84	387	80	510	135,080	353,080	1,069,445	24,418	2,132,495	1,038,632
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	52	67	283	-------	260	143,749	390,527	725,588	10,471	1,541,570	805,511
Electrical machinery, apparatus, and supplies	7	15	61	-------	44	38,363	90,783	143,338	5,877	313,068	163,853
Electroplating	4	4	8	-------	64	3,748	12,848	5,793	2,488	41,739	33,458
Engraving, steel and copperplate, and plate printing	4	1	13	-------	86	(1)	15,374	20,479	623	85,963	64,861
Feeds, prepared, for animals and fowls	9	118	214	-------	2,693	261,588	263,606	4,582,616	45,011	5,825,187	1,197,560
Flavoring extracts and flavoring sirups	9	18	26	10	62	33,000	37,397	113,983	1,447	237,417	121,985
Flour and other grain-mill products	7	73	258	-------	3,156	142,032	404,042	8,396,230	62,866	10,172,110	1,713,014
Food preparations, not elsewhere classified	15	29	56	-------	154	59,816	57,611	497,433	15,631	892,115	379,051
Foundry and machine-shop products, not elsewhere classified	84	459	1,659	60	7,740	1,099,715	2,594,898	3,716,238	181,514	11,716,419	7,818,667
Fur goods	12	15	35	-------	13	38,393	48,990	128,271	2,457	310,726	179,998
Furniture, including store and office fixtures	40	169	1,958	1,196	3,771	470,357	2,500,924	4,000,224	75,332	8,540,363	4,464,807
Gas and electric fixtures; lamps, lanterns, and reflectors	4	15	19	-------	20	24,461	33,122	76,653	853	143,422	65,916
Glass products (except mirrors) made from purchased glass	4	3	12	-------	7	4,524	13,309	15,424	296	39,857	24,137
Hand stamps and stencils and brands	4	3	12	-------	11	7,200	11,010	17,417	625	64,648	46,606
Ice cream	8	18	116	-------	962	34,048	173,215	615,804	35,473	1,293,704	642,427
Ice, manufactured	8	21	44	-------	1,993	80,245	77,100	8,670	45,616	368,712	344,126
Iron and steel: Steel works and rolling mills	3	56	250	-------	1,084	159,485	375,377	198,478	63,095	1,143,351	881,778
Knit goods	5	152	611	-------	173	387,289	451,687	1,977,035	12,528	4,827,477	2,837,914
Leather goods, not elsewhere classified	4	3	14	-------	27	6,680	15,900	38,674	609	72,408	33,125
Lumber and timber products, not elsewhere classified	23	202	4,981	16,524	17,125	749,111	7,043,914	10,999,968	286,723	24,773,844	13,487,153
Marble, granite, slate, and other stone products	7	18	74	-------	659	83,881	136,232	154,768	7,634	545,433	383,031
Meat packing, wholesale	14	166	527	537	3,323	384,422	745,488	13,112,075	122,675	15,834,241	2,599,491
Millinery	6	28	130	-------	14	75,318	122,795	135,919	2,098	429,787	290,770
Mirrors, framed and unframed	4	7	21	-------	88	27,443	36,922	139,584	2,693	242,266	99,989
Models and patterns, not including paper patterns	7	3	39	-------	123	7,924	64,860	15,830	1,695	122,855	105,330
Nonferrous-metal alloys and products, not including aluminum products	8	18	64	-------	163	51,851	90,027	297,385	11,170	517,685	209,130
Paints and varnishes	12	23	128	-------	442	40,082	163,326	935,588	7,784	1,450,738	507,366
Photo-engraving not done in printing establishments [2]	10	35	60	-------	95	105,880	113,584	42,874	4,605	391,631	344,152
Planing-mill products (including general millwork) not made in planing mills connected with sawmills	26	120	1,009	305	7,701	325,664	1,277,668	3,280,502	118,373	5,982,657	2,583,782
Printing and publishing, book and job	100	225	591	-------	1,056	545,707	955,206	1,067,701	35,741	3,691,943	2,588,501
Printing and publishing, newspaper and periodical	52	1,029	590	2	1,794	1,631,832	1,255,185	1,870,870	64,638	7,776,418	5,840,910
Saddlery and harness	6	6	49	-------	138	17,656	71,195	191,184	2,789	322,681	128,708
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	6	5	19	-------	104	8,990	34,535	248,776	5,087	347,405	93,542
Ship and boat building, steel and wooden, including repair work	5	21	229	325	982	54,356	367,648	283,542	7,889	568,258	276,827
Shirts	7	21	317	140	18	46,190	312,730	973,250	3,713	1,544,316	567,353
Signs and advertising novelties	8	55	133	-------	48	130,641	206,790	204,300	4,487	821,426	612,639
Statuary and art goods, factory product	3	2	9	-------	6	(1)	13,007	6,604	272	37,174	30,298
Stoves and ranges (other than electric) and warm-air furnaces	12	23	159	-------	390	51,343	261,661	213,605	15,432	825,907	596,870
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	10	37	179	-------	1,079	73,482	230,995	437,395	15,779	922,324	469,150
Surgical and orthopedic appliances, including artificial limbs	4	2	15	-------	11	(1)	17,874	21,009	663	63,192	41,520
Trimmings (not made in textile mills) and stamped art goods for embroidering	4	-------	25	-------	21	----------	22,121	8,900	1,306	58,931	48,725
Window shades and fixtures	6	11	29	-------	94	21,758	33,365	183,763	1,461	305,168	119,944
Other industries [3]	205	1,201	5,950	2,212	21,647	2,626,792	7,824,451	30,876,879	979,623	54,041,137	22,184,635

[a] See GENERAL EXPLANATION—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[2] The figures for the "Photo-engraving, not done in printing establishments" industry include data for 1 establishment located outside the county, to avoid disclosing the data for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[3] See footnote 2.

TABLE 14.—GENERAL STATISTICS FOR PORTLAND, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group, "Other industries." Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
PORTLAND											
[The totals for all industries do not include data for a few establishments located outside the city (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	1,039	4,686	21,380	14,992	78,269	$10,348,811	$28,472,917	$90,034,308	$2,383,545	$169,821,295	$77,403,442
Beverages	6	25	50	.....	212	76,562	83,325	148,426	8,478	466,427	309,523
Bookbinding and blank-book making	6	12	37	.....	47	30,179	58,671	19,117	1,932	148,722	127,673
Bread and other bakery products [1]	121	179	1,115	105	1,681	367,060	1,526,885	3,504,415	170,337	7,505,315	3,830,563
Brooms	5	7	45	62	45	19,347	40,867	106,000	2,266	205,584	97,318
Brushes, other than rubber	4	7	35	.....	59	14,837	32,624	73,818	1,280	183,074	107,976
Butter	10	32	100	125	907	63,614	148,032	2,156,810	25,718	2,685,173	502,645
Cleaning and polishing preparations	3	1	2	.....	5	(c)	(c)	10,250	70	22,798	12,478
Clothing, women's, not elsewhere classified	20	53	505	.....	74	110,764	452,804	1,326,448	9,077	2,434,922	1,099,397
Coffee and spice, roasting and grinding	12	36	73	.....	540	102,964	90,035	2,667,302	19,224	3,473,270	786,744
Compressed and liquefied gases	4	20	13	.....	457	26,256	21,436	29,320	16,037	207,362	162,005
Concrete products	10	19	51	3	311	60,918	71,114	166,738	4,444	382,443	211,261
Confectionery	31	84	387	80	510	135,080	353,080	1,069,445	24,418	2,132,495	1,038,632
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	52	67	283	.....	260	143,749	390,527	725,588	10,471	1,541,570	805,511
Electrical machinery, apparatus, and supplies	7	15	61	.....	44	38,363	90,783	143,338	5,877	313,068	163,853
Electroplating	4	4	8	.....	64	3,748	12,848	5,793	2,488	41,739	33,458
Engraving, steel and copperplate, and plate printing	4	1	13	.....	86	(c)	15,374	20,479	623	85,963	64,861
Feeds, prepared, for animals and fowls	9	118	214	.....	2,693	261,588	283,606	4,582,616	45,011	5,825,187	1,197,560
Flavoring extracts and flavoring sirups	9	18	26	10	62	33,000	37,397	113,885	1,447	237,417	121,985
Flour and other grain-mill products [1]	7	73	258	.....	3,156	142,032	404,042	8,396,230	62,866	10,172,110	1,713,014
Food preparations, not elsewhere classified	15	29	56	.....	154	59,816	57,611	497,433	15,631	892,115	379,051
Foundry and machine-shop products, not elsewhere classified [1]	84	459	1,659	60	7,740	1,099,715	2,594,898	3,716,238	181,514	11,716,419	7,818,667
Fur goods	12	15	35	.....	13	38,393	48,990	128,271	2,457	310,726	179,998
Furniture, including store and office fixtures [1]	40	169	1,958	1,196	3,771	470,357	2,500,924	4,000,224	75,332	8,540,363	4,464,807
Gas and electric fixtures; lamps, lanterns, and reflectors	4	15	19	.....	20	24,461	33,122	76,653	853	143,422	65,916
Glass products (except mirrors) made from purchased glass	4	3	12	.....	7	4,524	13,309	15,424	296	39,857	24,137
Hand stamps and stencils and brands	4	3	12	.....	11	7,200	11,010	17,417	625	64,648	46,606
Ice cream [1]	8	18	116	.....	962	34,048	173,215	615,804	35,473	1,293,704	642,427
Ice, manufactured	8	21	44	.....	1,593	80,245	77,100	8,970	45,616	398,712	344,126
Iron and steel: Steel works and rolling mills	3	56	250	.....	1,784	159,485	375,377	198,478	63,693	1,143,351	881,778
Knit goods	5	152	611	.....	173	387,289	431,687	1,977,035	12,528	4,827,477	2,837,914
Leather goods, not elsewhere classified	4	3	14	.....	27	6,680	15,900	38,674	609	72,408	33,125
Lumber and timber products, not elsewhere classified	14	136	3,324	10,094	15,992	528,157	4,580,069	8,936,746	269,469	17,923,913	8,717,698
Marble, granite, slate, and other stone products	7	18	74	.....	659	83,881	136,232	154,768	7,634	545,433	383,031
Mirrors, framed and unframed	4	7	21	.....	89	27,443	36,922	139,584	2,693	242,266	99,989
Models and patterns, not including paper patterns	7	3	39	.....	123	7,924	64,860	15,830	1,695	122,855	105,330
Nonferrous-metal alloys and products, not including aluminum products	8	18	64	.....	163	51,851	90,027	297,385	11,170	517,685	209,130
Paints and varnishes [1]	12	23	128	.....	442	40,082	163,326	935,588	7,784	1,450,738	507,366
Photo-engraving, not done in printing establishments [1]	10	35	60	.....	95	105,880	113,584	42,874	4,605	391,631	344,152
Planing-mill products (including general millwork), not made in planing mills connected with sawmills [1]	26	120	1,009	305	7,701	325,664	1,277,668	3,280,502	118,373	5,982,657	2,583,782
Printing and publishing, book and job [1]	100	225	591	.....	1,056	545,707	955,206	1,067,701	35,741	3,691,943	2,588,501
Printing and publishing, newspaper and periodical [1]	52	1,029	590	2	1,794	1,631,832	1,255,185	1,870,870	64,638	7,776,418	5,840,910
Saddlery and harness	6	6	49	.....	138	17,656	71,195	191,184	2,789	322,681	128,708
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	6	5	19	.....	104	8,990	34,535	248,776	5,087	347,405	93,542
Ship and boat building, steel and wooden, including repair work	5	21	229	325	982	54,356	367,648	283,542	7,889	568,258	276,827
Shirts	7	21	317	140	18	46,190	312,730	973,250	3,713	1,544,316	567,353
Signs and advertising novelties	8	55	133	.....	48	120,641	206,790	204,300	4,487	821,426	612,639
Statuary and art goods, factory product	3	2	9	.....	6	(c)	13,007	6,604	272	37,174	30,298
Stoves and ranges (other than electric) and warm-air furnaces	12	23	159	.....	390	51,343	261,661	213,605	15,432	825,907	596,870
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	10	37	179	.....	1,079	73,482	230,995	437,395	15,779	922,324	469,150
Surgical and orthopedic appliances including artificial limbs	4	2	15	.....	11	(c)	17,874	21,009	663	63,192	41,520
Trimmings (not made in textile mills) and stamped art goods for embroidering	4	.....	25	.....	21	.....	22,121	8,900	1,306	58,931	48,725
Window shades and fixtures	6	11	29	.....	94	21,758	33,365	183,763	1,461	305,168	119,944
Other industries	227	1,212	6,404	2,485	20,728	2,663,579	7,949,241	34,575,387	964,063	58,918,944	23,379,494

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for the following numbers of establishments located outside the city have been included in the items for the city to avoid disclosing the data reported by those establishments: Bread and other bakery products, 2; flour and other grain-mill products, 1; foundry and machine-shop products, not elsewhere classified, 1; furniture, including store and office fixtures, 3; ice cream, 1; paints and varnishes, 1; photo-engraving, not done in printing establishments, 1; planing-mill, products (including general millwork), not made in planing mills connected with sawmills 2; printing and publishing, hook and job, 1; printing and publishing, newspaper and periodical, 1.

[2] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

PENNSYLVANIA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. SEE GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers[4]	Fuel and purchased energy		
1929	16,947	1,014,046	5,991,493	3,346,112	2,645,381	$1,379,444,293	$4,013,255,531	$3,680,107,606	$333,147,925	$7,443,861,057	$3,430,605,526
1927	17,314	987,414	5,800,634	3,337,491	2,463,143	1,315,993,319	3,728,061,776	3,403,021,289	325,040,487	6,715,563,455	2,987,501,679
1925	17,298	999,460	5,373,972	3,365,944	2,008,028	1,324,481,011	3,890,513,639	(5)	(5)	6,901,762,098	3,011,248,459
1923	19,054	1,005,057	5,107,593	3,529,260	1,578,333	1,434,962,601	4,320,510,031	(5)	(5)	7,381,687,533	3,061,177,502
1921	20,290	863,917	(6)	(6)	(6)	1,006,855,837	2,960,759,076	(5)	(5)	5,059,009,410	2,098,250,334
1919	27,973	1,135,837	4,445,095	3,466,474	978,621	1,406,066,138	4,210,408,628	3,868,317,807	342,090,821	7,315,702,867	3,105,294,239
1914	27,521	924,478	3,535,825	3,191,636	344,189	527,952,517	1,688,920,716	1,549,582,854	139,337,862	2,832,349,437	1,143,428,721
1909	27,563	877,543	2,903,413	2,757,792	145,621	455,626,790	1,582,559,988	1,445,227,796	137,332,192	2,626,742,034	1,044,182,046
1904	23,495	763,282	2,279,032	2,243,331	35,701	367,960,890	1,142,942,707	1,072,205,389	70,737,318	1,955,551,332	812,608,625
1899	23,462	663,960	1,700,847	1,678,485	22,362	296,875,548	958,301,272	(7)	(7)	1,649,882,380	691,581,108
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	−2.1	2.7	3.3	0.3	7.4	4.8	7.6	8.1	2.5	10.8	14.8
1925–1927	.1	−1.2	7.9	−.8	22.7	−.6	−4.2			−2.7	−.8
1923–1925	−9.2	−8.7	5.2	−4.6	27.2	−7.7	−10.0			−6.5	−1.6
1921–1923	−6.1	26.8				42.5	45.9			45.9	45.9
1919–1921	−27.5	−23.9				−28.4	−29.7			−30.8	−32.4
1919–1929	−39.4	−10.7	34.8	−3.5	170.3	−1.9	−4.7	−4.9	−2.6	1.8	10.5
1909–1919	1.5	29.4	53.1	25.7	572.0	208.6	166.1	167.7	149.1	178.5	197.4
1899–1909	17.5	32.2	70.7	64.3	551.2	53.5	65.1			59.2	51.0

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Includes cost of foundry supplies for 1927 and earlier years but not for 1929. See GENERAL EXPLANATIONS—Comparableness With Preceding Years—Schedule Changes—Mill or Shop Supplies.
[5] Not reported separately.
[6] Not called for on schedule.
[7] No comparable data.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	9,631,350	16,947	1,014,046	5,991,493	$1,379,444,293	$4,013,255,531	$3,680,107,606	$333,147,925	$7,443,861,057	$3,430,605,526
Industrial Areas										
Philadelphia Area,[3] total	3,137,040	7,184	376,009	1,368,306	510,540,601	1,549,559,096	1,488,231,423	61,327,673	2,981,045,661	1,431,486,565
Portion in Pennsylvania	2,720,385	6,669	330,382	1,200,214	453,171,719	1,360,908,492	1,307,720,880	53,187,612	2,608,029,024	1,247,120,532
Portion in New Jersey	416,655	515	45,627	168,092	57,368,882	188,650,604	180,510,543	8,140,061	373,016,637	184,366,033
Pittsburgh Area[4]	2,023,269	2,587	227,221	2,082,327	357,075,488	1,158,738,366	1,017,971,314	140,767,052	2,015,399,034	856,660,668
Youngstown Area,[5] total	555,709	612	78,903	1,171,241	138,076,535	504,027,995	436,586,508	67,441,487	823,532,610	319,504,615
Portion in Pennsylvania	196,504	255	25,621	358,827	41,616,952	135,619,576	119,989,579	15,629,997	226,397,933	90,778,357
Portion in Ohio	359,205	357	53,282	812,414	96,459,583	368,408,419	316,596,929	51,811,490	597,134,677	228,726,258
Allentown—Bethlehem Area[6]	342,197	705	58,483	568,583	76,490,266	205,166,008	175,627,865	29,538,143	396,185,282	191,019,274
Reading Area (coextensive with Berks County)[7]	231,717	578	47,350	124,615	61,879,198	104,197,346	97,336,420	6,860,926	229,028,386	124,831,040
Scranton—Wilkes-Barre Area[8]	755,506	769	42,268	95,981	41,515,994	93,192,669	89,409,066	3,783,603	185,951,766	92,759,097

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties										
Adams	37,128	99	3,437	7,421	$2,716,750	$5,981,762	$5,696,731	$285,031	$11,925,216	$5,943,454
Allegheny[4]	1,374,410	1,959	155,374	1,398,914	243,281,167	811,955,398	711,132,766	100,822,632	1,400,762,248	588,806,850
Armstrong	79,298	79	5,433	89,547	8,078,683	17,071,906	14,904,628	2,167,278	31,325,239	14,253,333
Beaver[4]	149,062	208	28,438	349,055	47,765,802	169,700,644	149,204,819	20,495,825	294,772,430	125,071,786
Bedford	37,309	56	781	6,432	762,375	2,237,053	1,689,088	547,965	3,715,386	1,478,333
Berks (coextensive with Reading Area)[5]	231,717	578	47,350	124,615	61,879,198	104,197,346	97,336,420	6,860,926	229,028,386	124,831,040
Blair	139,840	147	18,047	61,971	26,745,990	96,207,933	54,065,860	2,142,073	97,206,642	40,998,709
Bradford	49,030	66	3,855	13,960	4,840,116	10,326,707	9,988,000	337,707	19,803,774	9,477,067
Bucks[4]	96,727	186	9,433	30,603	10,766,202	21,831,025	20,868,995	962,030	46,196,856	24,365,831
Butler	80,480	101	5,689	98,953	7,661,220	35,394,845	32,042,822	3,352,023	52,006,772	16,611,927
Cambria	203,146	158	13,665	220,265	22,807,293	84,377,239	67,596,783	16,780,456	130,428,843	46,051,604
Cameron	5,307	9	863	1,399	919,768	2,589,087	2,526,215	62,872	6,555,333	3,966,246
Carbon	63,380	84	6,427	44,095	8,783,864	17,002,249	14,114,179	2,888,070	39,308,952	22,306,703
Centre	46,294	58	2,054	8,767	2,130,695	4,185,331	3,547,859	637,472	9,251,650	5,066,319
Chester[3]	126,629	194	10,565	110,874	15,284,521	48,058,647	42,000,588	6,058,059	79,688,534	31,629,887
Clarion	34,531	52	1,008	7,496	1,275,721	2,456,707	1,870,696	586,011	4,710,562	2,253,855
Clearfield	86,727	101	4,478	25,547	5,136,277	7,518,466	6,078,087	1,440,379	17,686,456	10,167,990
Clinton	32,319	66	4,367	33,861	5,873,833	18,974,169	17,823,716	1,150,453	30,812,921	11,838,752
Columbia	48,803	82	4,842	23,785	5,689,861	17,173,684	16,435,533	738,151	30,006,827	12,833,143
Crawford	62,980	121	4,187	17,516	5,875,471	15,538,641	14,805,326	733,315	27,452,947	11,914,306
Cumberland	68,236	131	6,465	18,516	7,470,756	17,873,415	17,136,683	736,732	32,253,118	14,379,703
Dauphin	165,231	286	19,622	114,784	25,323,687	86,590,084	77,563,609	9,026,475	149,983,516	63,393,432
Delaware[3]	280,264	231	30,799	234,476	44,646,709	150,625,806	145,091,312	5,534,494	259,343,015	108,717,209
Elk	33,431	53	4,062	40,373	5,143,637	19,649,643	17,894,868	1,754,775	32,477,100	12,827,457
Erie	175,277	366	23,022	111,668	33,567,730	71,264,611	66,265,712	4,998,899	162,522,818	91,258,207
Fayette	198,542	151	5,633	30,262	6,923,518	17,533,292	7,289,043	10,244,249	31,231,419	13,698,127
Forest	5,180	8	488	2,294	564,877	2,003,711	1,847,231	156,480	3,346,570	1,342,859
Franklin	65,010	118	5,540	19,188	5,699,813	12,716,931	12,134,277	582,654	28,838,409	16,121,478
Fulton	9,231	21	47	408	36,997	122,753	120,951	1,802	246,512	123,759
Greene	41,767	18	126	601	136,126	221,125	195,674	25,451	547,162	326,037
Huntingdon	39,021	68	2,763	10,465	2,838,803	3,702,888	3,007,719	695,169	10,757,527	7,054,639
Indiana	75,395	74	2,208	14,110	2,727,283	4,820,749	3,342,044	1,478,705	9,610,043	4,789,294
Jefferson	52,114	73	1,982	7,491	2,084,362	4,278,022	3,770,316	507,706	8,686,173	4,408,151
Juniata	14,325	20	433	1,061	403,339	381,346	260,716	120,630	992,428	611,082
Lackawanna[8]	310,397	354	16,891	41,446	17,076,694	36,525,758	34,784,163	1,741,595	74,808,489	38,282,731
Lancaster[9]	196,882	495	23,300	76,865	25,913,361	77,710,972	75,433,455	2,277,517	155,750,777	78,039,805
Lawrence[3]	97,258	116	12,388	155,209	20,029,603	60,388,517	53,770,127	6,618,390	106,265,682	45,877,165
Lebanon[3]	67,103	180	10,146	67,142	10,325,060	26,196,956	24,305,967	1,890,989	48,152,065	21,955,109
Lehigh[6]	172,893	399	26,736	111,246	32,042,017	94,660,401	89,612,760	5,047,641	175,284,153	80,623,752
Luzerne[8]	445,109	415	25,377	54,535	24,439,300	56,666,911	54,624,903	2,042,008	111,143,277	54,476,366
Lycoming[6]	93,421	180	12,005	40,645	15,123,311	41,437,612	40,128,282	1,309,330	78,073,506	36,635,894
McKean	55,167	119	4,013	18,924	5,379,335	22,213,665	20,698,523	1,515,142	37,494,333	15,280,668
Mercer[3]	99,246	139	13,253	203,618	21,587,349	75,231,059	66,219,452	9,011,607	120,132,251	44,901,192
Mifflin	40,335	49	7,532	43,661	10,150,817	11,769,685	10,048,834	1,720,851	36,590,143	24,820,458
Monroe	28,286	64	1,935	6,070	2,439,986	6,128,029	5,914,018	214,011	11,038,316	4,910,287
Montgomery[3]	265,804	491	32,657	171,940	43,563,791	114,762,805	103,344,303	11,418,502	219,089,734	104,326,929
Montour	14,517	23	1,177	11,894	1,097,933	1,200,967	1,031,294	169,673	2,837,545	1,636,578
Northampton[8]	169,304	306	31,747	457,337	44,448,249	110,505,607	86,015,105	24,490,502	220,901,129	110,395,522
Northumberland[9]	128,504	159	10,358	33,493	11,299,498	30,002,835	28,580,401	1,422,434	61,260,325	31,257,490
Perry	21,744	37	539	1,870	421,336	873,372	831,507	41,865	1,896,104	1,022,732
Philadelphia (coextensive with Philadelphia city)[3]	1,950,961	5,567	246,908	652,321	338,910,496	1,025,630,209	996,415,682	29,214,527	2,003,710,905	978,080,696
Pike	7,483	10	124	466	120,692	389,459	383,631	5,828	680,079	290,620
Potter	17,489	32	937	6,858	1,049,983	4,658,730	4,417,182	241,548	6,966,755	2,308,025
Schuylkill[9]	235,505	264	12,110	38,903	11,040,958	28,944,097	27,560,825	1,383,272	55,643,850	26,698,753
Snyder	18,836	42	881	2,661	747,098	1,840,944	1,725,640	115,304	3,713,311	1,872,367
Somerset	80,764	75	981	3,861	895,918	1,121,149	1,061,957	59,192	3,078,375	1,957,226
Sullivan	7,499	14	200	676	157,007	393,034	381,094	11,940	765,004	371,970
Susquehanna	33,806	41	784	3,749	1,021,238	1,307,561	1,239,914	67,647	2,864,449	1,556,888
Tioga	31,871	43	1,465	7,205	1,613,829	9,279,476	8,975,547	303,929	14,804,926	5,525,450
Union	17,468	33	788	2,809	723,774	3,029,793	2,960,621	69,172	4,565,379	1,535,586
Venango	63,226	82	5,677	31,908	9,013,555	43,887,010	42,107,913	1,779,097	61,915,938	18,028,928
Warren	41,453	98	3,861	24,188	5,123,828	24,755,273	23,545,649	1,209,624	38,121,134	13,365,861
Washington[4]	204,802	150	14,599	130,987	21,952,101	72,089,666	64,578,276	7,511,390	119,089,666	47,000,000
Wayne	28,420	65	1,739	3,777	1,546,343	5,333,052	5,174,061	158,991	8,562,479	3,229,427
Westmoreland[4]	294,995	270	28,810	203,371	44,076,418	104,992,658	93,055,453	11,937,205	200,774,690	95,782,032
Wyoming	15,517	27	311	2,395	364,425	2,961,136	2,898,730	62,406	3,609,284	648,148
York[3]	167,135	586	30,331	98,376	29,933,656	71,803,918	68,632,671	3,171,247	160,795,240	88,991,322
Cities having 10,000 inhabitants or more[10]										
Allentown[11]	92,563	254	17,508	42,294	20,996,175	69,523,036	68,073,493	1,449,543	122,264,393	52,741,357
Altoona	82,054	66	13,737	35,291	20,509,115	43,162,424	42,230,468	931,956	72,429,778	29,267,354
Ambridge	20,227	24	4,959	21,477	8,099,170	31,063,338	30,395,564	667,774	55,052,758	23,989,420
Beaver Falls	17,147	42	3,203	15,788	4,451,715	12,112,188	11,471,351	640,837	21,929,923	9,817,735
Bellevue	10,252	3	21	20	27,799	51,326	49,051	2,275	108,580	57,254
Braddock	19,329	26	989	5,616	1,637,226	4,749,590	4,507,392	242,198	8,630,899	3,881,309
Bradford	19,306	53	1,531	8,576	2,206,108	10,203,108	9,825,755	377,353	17,592,217	7,389,109
Bristol	11,799	27	1,955	6,615	2,357,277	6,961,404	6,709,648	251,756	12,011,668	5,050,264
Butler	23,568	46	3,862	83,091	5,309,487	22,831,786	20,436,136	2,395,650	33,557,587	10,725,801
Canonsburg	12,558	13	3,543	16,695	5,482,338	13,800,753	13,121,721	679,032	21,675,585	7,874,832

See footnotes at end of table.

TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Cities having 10,000 inhabitants or more [10]—Continued										
Carbondale	20,061	21	892	1,587	$1,204,375	$1,281,695	$1,200,789	$80,906	$3,349,313	$2,067,618
Carlisle	12,596	32	2,740	8,559	2,532,361	7,180,334	6,935,505	244,829	13,676,998	6,496,664
Carnegie	12,497	28	2,017	41,723	3,098,881	9,585,500	8,931,748	653,762	16,043,976	6,458,476
Chambersburg	13,788	36	1,556	7,567	1,463,846	4,371,042	4,190,375	180,667	8,671,045	4,300,003
Charleroi	11,260	16	1,359	4,415	1,697,802	1,629,398	1,092,323	537,075	5,298,235	3,668,837
Chester	59,164	101	12,909	65,475	18,130,408	64,245,371	61,344,285	2,901,086	111,243,721	46,998,350
Columbia	11,349	32	2,206	5,629	2,505,877	5,846,769	5,609,916	236,853	12,503,905	6,657,136
Connellsville	13,290	31	817	2,354	822,573	1,147,161	1,070,456	76,705	2,838,831	1,691,670
Conshohocken	10,815	29	1,944	6,679	2,807,482	10,361,148	10,047,624	313,524	16,677,392	6,316,244
Coraopolis	10,724	14	1,603	7,018	2,920,537	13,503,039	12,901,515	601,524	20,473,585	6,970,546
Dickson City	12,395	11	336	636	241,503	742,130	706,299	35,831	1,175,887	433,757
Du Bois	11,595	28	1,189	4,211	1,294,243	1,617,469	1,494,273	123,196	3,738,862	2,121,393
Dunmore	22,627	11	897	1,343	872,867	580,636	536,284	44,352	1,868,298	1,287,662
Easton	34,468	75	3,767	10,377	5,298,799	11,794,702	11,307,428	487,274	23,371,697	11,576,995
Erie [11]	115,967	277	15,384	76,603	23,414,973	47,737,227	43,575,867	4,161,360	103,979,806	56,242,579
Farrell	14,359	22	5,519	122,412	9,563,327	40,043,464	35,276,854	4,766,610	56,985,594	16,942,130
Franklin	10,254	26	1,638	8,274	2,455,818	5,693,413	5,459,476	233,937	10,970,755	5,277,342
Greensburg	16,508	32	2,087	7,535	2,778,756	2,459,339	2,141,725	317,614	7,846,245	5,386,906
Hanover	11,805	76	3,612	7,578	3,382,400	9,679,923	9,424,016	255,907	18,443,032	8,763,109
Harrisburg	80,339	163	7,825	34,078	10,144,491	19,998,391	18,217,365	1,781,026	41,083,637	21,085,246
Hazleton	36,765	54	4,781	6,649	4,014,753	15,686,506	15,407,181	279,325	25,065,026	9,378,520
Homestead	20,141	22	341	1,794	527,993	1,696,741	1,615,730	81,011	3,136,223	1,439,482
Jeannette	15,126	27	3,446	12,277	4,315,860	7,147,526	6,321,781	825,745	16,603,242	9,455,716
Johnstown	66,993	103	11,869	213,365	20,781,266	81,837,747	65,674,097	16,163,650	124,033,306	42,195,559
Kingston	21,600	21	2,536	5,519	2,173,256	2,005,542	1,828,964	176,578	5,858,145	3,852,603
Lancaster	59,949	184	12,096	46,528	14,814,576	47,140,491	45,896,314	1,244,177	94,942,841	47,802,350
Latrobe	10,644	20	1,282	13,955	2,136,644	4,442,812	4,003,016	439,796	10,993,217	6,550,405
Lebanon	25,561	82	6,953	46,558	7,396,792	18,667,175	17,535,700	1,131,475	34,577,598	15,910,423
McKees Rocks	18,116	34	4,693	29,523	6,911,402	11,610,219	10,795,102	815,117	24,742,447	13,132,228
Mahanoy City	14,784	16	593	659	377,733	1,060,768	1,031,012	29,756	2,344,952	1,284,184
Meadville	16,698	35	2,599	6,847	3,857,563	5,264,718	5,021,741	242,977	11,997,851	6,733,133
Monessen	20,268	18	6,285	89,660	10,726,085	37,025,117	32,802,214	4,222,903	59,650,869	22,525,752
Mount Carmel	17,967	14	796	575	545,793	1,547,199	1,526,119	21,080	2,694,294	1,147,095
Nanticoke	26,043	20	1,845	2,580	1,405,817	1,931,655	1,791,393	140,262	5,557,020	3,625,365
New Castle	48,674	55	7,105	97,786	10,917,188	41,453,225	36,897,569	4,555,656	64,040,525	22,587,300
New Kensington	16,762	24	5,170	19,075	7,976,685	21,408,704	20,725,324	683,380	35,062,880	13,654,176
Norristown	35,853	76	3,808	9,870	4,750,639	7,567,322	7,245,434	321,888	17,905,156	10,337,834
Oil City	22,075	29	2,663	13,883	4,576,655	6,207,396	5,708,674	498,722	13,363,661	7,156,265
Old Forge	12,661	6	263	375	177,392	80,994	61,401	19,593	484,660	403,666
Olyphant	10,743	7	354	658	247,803	120,737	82,505	38,232	494,790	374,053
Philadelphia (coextensive with Philadelphia County)	1,950,961	5,567	246,908	652,321	338,910,496	1,025,630,209	996,415,682	29,214,527	2,003,710,905	978,080,696
Phoenixville	12,020	28	2,633	24,417	3,476,360	8,932,371	8,047,445	884,926	15,517,905	6,585,534
Pittsburgh [11]	669,817	1,370	61,503	394,065	90,955,072	290,969,737	268,175,982	22,793,755	544,784,634	253,814,897
Pittston	18,246	18	350	1,140	404,405	1,031,178	956,264	74,914	1,913,864	882,686
Plymouth	16,543	14	458	694	312,450	487,774	455,187	32,587	1,148,352	660,578
Pottstown	19,430	64	6,329	25,471	6,535,560	17,149,284	16,672,974	476,310	31,581,201	14,431,917
Pottsville	24,200	41	2,949	21,285	3,178,376	8,248,613	7,534,192	714,421	15,830,447	7,581,834
Reading [11]	111,171	323	25,970	89,436	31,752,207	57,199,063	53,065,326	4,133,737	120,919,422	63,720,359
Scranton [11]	143,433	251	11,677	27,713	12,377,804	31,846,423	30,610,942	1,235,481	61,053,837	29,207,414
Shenandoah	21,782	24	554	1,344	471,906	1,513,900	1,469,836	44,064	2,688,372	1,174,472
Sunbury	15,626	26	2,185	4,391	2,980,795	6,821,448	6,547,644	273,804	13,520,218	6,698,770
Tamaqua	12,936	20	732	836	669,450	1,665,223	1,621,205	44,018	3,016,115	1,350,892
Turtle Creek	10,690	7	21	121	23,259	46,281	43,553	2,728	102,460	56,179
Uniontown	19,544	23	929	3,098	1,090,925	1,713,923	1,530,104	183,819	4,541,385	2,827,462
Warren	14,863	46	2,129	12,758	3,058,429	14,400,563	13,742,871	657,692	22,036,395	7,635,832
Washington	24,545	35	1,847	8,233	2,602,063	6,038,800	5,210,524	828,276	14,017,457	7,978,657
Wayneshoro	10,167	34	3,207	9,247	3,632,494	6,547,353	6,196,292	351,061	16,625,350	10,077,997
West Chester	12,325	26	299	1,274	411,473	806,341	764,748	41,593	1,902,992	1,096,651
Wilkes-Barre	86,626	152	8,039	20,947	8,977,478	22,165,241	21,409,247	755,994	44,041,368	21,876,127
Wilkinsburg	29,639	30	337	1,655	515,295	995,677	893,606	102,071	2,537,734	1,542,057
Williamsport	45,729	107	9,428	31,293	12,246,619	33,192,909	32,110,125	1,082,784	62,116,415	28,923,506
York	55,254	196	15,060	50,729	15,856,647	34,354,766	32,788,496	1,566,270	87,582,938	53,228,172

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Philadelphia Industrial Area comprises Bucks, Chester, Delaware, Montgomery and Philadelphia Counties, Pa., and Burlington, Camden, and Gloucester Counties, N. J. For statistics by industries for this area and for Bucks, Chester, Montgomery, and Philadelphia Counties, see Table 13.
[4] The Pittsburgh Industrial Area comprises Allegheny, Beaver, Washington, and Westmoreland Counties. For statistics by industries for this area and for each county in the area, see Table 13.
[5] The Youngstown Industrial Area comprises Lawrence and Mercer Counties, Pa., and Mahoning and Trumbull Counties, Ohio. For statistics by industries for this area, see report for Ohio.
[6] The Allentown-Bethlehem Industrial Area comprises Lehigh and Northampton Counties. For statistics by industries for this area and for Lehigh County, see Table 13.
[7] For statistics by industries for this area, see Table 13.
[8] The Scranton-Wilkes-Barre Industrial Area comprises Lackawanna and Luzerne Counties. For statistics for this area and for each county in the area, see Table 13.
[9] For statistics by industries for this county, see Table 13.
[10] Not including Aliquippa, Arnold, Berwick, Bethlehem, Clairton, Coatesville, Donora, Dormont, Duquesne, Ellwood City, Lewistown, McKeesport, Munhall, North Braddock, Shamokin, Sharon, Steelton, Swissvale, Taylor, and Vandergrift, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments located either in the cities or outside the cities but within the counties in which the cities are situated.
[11] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [2]	1,166,323	900,725	265,598	11,413	10,975	438	[2] 12,844	[2] 12,224	[2] 620	[2] 128,020	[2] 92,752	[2] 35,268	1,014,046	[2] 784,774	[2] 229,272
1919 [3, 4]	1,323,662	1,060,165	263,497	27,433	26,350	1,083	13,341	13,402	439	146,551	106,254	40,297	1,135,837	914,159	221,678
1914 [4]	1,060,562	844,300	216,262	25,034	24,916	1,118	8,588	8,372	216	99,462	81,432	18,030	924,478	727,580	196,898
1909	1,002,171	802,548	199,623	29,743	28,550	1,193	8,410	8,286	124	86,475	71,818	14,657	877,543	693,894	183,649

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 1,830; male, 1,793; female, 37. Other salaried officers and employees—total, 25,664: male, 18,355; female, 7,309. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	1,014,046	*977,114*	991,752	1,004,756	1,011,803	1,021,162	1,024,287	1,029,405	1,034,356	1,033,309	**1,037,357**	1,013,713	989,517	94.2
1919 [1]	1,135,837	1,161,601	1,128,614	1,101,621	1,083,824	*1,035,521*	1,105,314	1,138,814	1,156,018	1,158,562	1,141,814	1,172,674	**1,197,667**	90.5
1914 [1]	924,478	945,481	949,918	962,114	955,614	942,197	936,124	920,404	914,502	917,927	902,731	*875,153*	873,586	90.8
1909 [1]	877,543	*819,927*	$25,082	835,617	844,230	850,373	867,526	860,435	873,308	911,802	933,852	947,698	**980,686**	85.3

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	16,947	1,014,046	45 and over but under 48	964	44,695
			48	3,151	245,986
Not reported	1,195	3,518	Over 48 but under 54	3,697	284,119
Under 40	271	5,717	54	1,525	97,926
40	450	16,237	Over 54 but under 60	1,653	182,242
Over 40 but under 44	169	8,065	60 and over	1,486	69,358
44 and over but under 45	2,386	56,163			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1913 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishment Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	16,947	27,973	27,563	1,014,046	1,135,837	877,543	51 to 100	1,460	1,491	1,356	104,607	106,175	97,089
							101 to 250	1,187	1,207	1,051	185,349	188,504	165,376
No wage earners	584	4,109	3,539				251 to 500	462	445	387	159,065	156,421	135,522
1 to 5	6,517	12,307	13,040	18,077	27,808	29,230	501 to 1,000	193	204	173	132,073	139,952	120,456
6 to 20	4,104	5,150	5,313	46,258	58,449	59,572	1,001 to 2,500	97	142	89	142,175	368,002	183,294
21 to 50	2,312	2,718	2,610	76,269	90,226	86,704	2,501 and over	31			149,168		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	16,947	27,973	27,563	1,014,046	1,135,837	877,543	$7,443,861,057	$7,315,702,867	$2,626,742,034	$3,430,605,526	$3,105,294,239	$1,044,182,046
Less than $5,000	(2)	6,197	9,493	(2)	4,020	12,392	(2)	15,473,504	22,574,998	(2)	9,619,595	13,719,359
$5,000 to $19,999	5,069	8,257	8,764	14,179	24,280	46,720	57,234,167	89,388,454	90,897,695	34,396,876	48,462,428	48,251,171
$20,000 to $99,999	5,844	7,289	5,802	67,571	84,902	131,163	280,015,450	333,503,421	258,998,545	164,961,377	161,988,397	128,772,576
$20,000 to $49,999	3,524	(3)	(3)	28,306	(3)	(3)	114,101,828	(3)	(3)	67,546,660	(3)	(3)
$50,000 to $99,999	2,320	(3)	(3)	39,265	(3)	(3)	165,913,622	(3)	(3)	97,414,717	(3)	(3)
$100,000 to $499,999	3,775	4,113		177,120	199,349		866,647,957	932,559,677		470,935,711	437,015,079	
$100,000 to $249,999	2,406	(3)		83,052	(3)		383,953,896	(3)		214,917,889	(3)	
$250,000 to $499,999	1,369	(3)	3,104	94,068	(3)	370,082	482,694,061	(3)	923,159,484	256,017,822	(3)	412,461,925
$500,000 to $999,999	969	917		113,262	120,070		678,092,605	641,104,153		339,188,495	289,634,471	
$1,000,000 and over	1,290	1,200	400	641,914	703,216	317,186	5,561,870,878	5,303,673,658	1,331,111,312	2,421,123,067	2,158,574,269	440,977,015
$1,000,000 to $2,499,999	767	(3)	(3)	173,032	(3)	(3)	1,191,212,211	(3)	(3)	565,326,298	(3)	(3)
$2,500,000 to $4,999,999	292	(3)	(3)	128,700	(3)	(3)	1,003,797,967	(3)	(3)	469,047,129	(3)	(3)
$5,000,000 and over	231	(3)	(3)	340,182	(3)	(3)	3,366,860,700	(4)	(4)	1,386,749,640	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	16,947	27,973	1,014,046	1,135,837	$7,443,861,057	$7,315,702,867	$3,430,605,526	$3,105,294,239
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	7,954	7,892	910,219	981,877	6,874,422,998	6,414,030,288	3,149,537,126	2,735,960,867
Other forms of ownership or control (individual, partnership, etc.)	8,993	20,081	103,827	153,960	569,438,059	901,672,579	281,068,400	369,333,372
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	2,580	(1)	548,608	(1)	4,370,646,449	(1)	1,868,263,591	(1)
Independent (single-unit)	14,367	(1)	465,438	(1)	3,073,214,608	(1)	1,562,341,935	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR INDUSTRIAL AREAS AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	5,991,493	3,346,112	7,373	1,898,635	1,388	1,183,443	1,355	241,121	528	22,913	310,697	2,645,381	138,437	2,359,077
1927	5,800,634	3,337,491	8,185	2,047,258	1,180	1,027,236	1,555	245,517	618	17,480	264,129	2,463,143	127,083	2,090,398
1925	5,373,972	3,365,944	9,641	2,229,975	1,014	872,400	1,783	240,168	688	23,401	209,830	2,008,028	122,001	1,906,530
1919 [1]	4,445,095	3,466,474	14,730	2,607,091	804	562,699	3,722	256,067	1,351	40,617	103,061	978,621	101,043	1,681,407
1914 [1]	3,535,825	3,191,636	[2] 18,577	[2] 2,922,616	[3]	[3]	4,628	223,695	1,585	45,325	39,528	344,189	69,335	1,184,962
Industrial Areas: 1929														
Philadelphia Area, total	1,368,306	592,516	2,103	317,849	479	238,206	386	30,712	96	5,749	111,733	775,790	38,776	411,374
Portion in Pennsylvania (Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties)	1,200,214	488,177	1,833	285,974	382	168,713	345	27,961	88	5,529	103,692	712,037	31,589	330,870
Portion in New Jersey (Burlington, Camden, and Gloucester Counties)	168,092	104,339	270	31,875	97	69,493	41	2,751	8	220	8,041	63,753	7,187	80,504
Pittsburgh Area (Allegheny, Beaver, Washington, and Westmoreland Counties)	2,082,327	1,373,433	2,103	750,380	488	552,503	231	69,842	[4] 6	708	54,048	708,894	42,138	980,266
Youngstown Area, total	1,171,241	722,846	799	420,432	217	251,620	73	46,087	32	[4] 4,707	18,233	448,395	14,083	411,099
Portion in Pennsylvania (Lawrence and Mercer Counties)	358,827	196,838	329	133,634	77	58,497	40	4,381	12	326	6,069	161,989	5,069	110,327
Portion in Ohio (Mahoning and Trumhull Counties)	812,414	526,008	470	286,798	140	193,123	33	41,706	20	4,381	12,164	286,406	9,014	300,772
Allentown—Bethlehem Area (Lehigh and Northampton Counties)	568,583	416,137	438	243,213	68	98,394	46	72,575	38	1,955	24,413	152,446	11,467	281,299
Reading Area (coextensive with Berks County)	124,615	49,095	203	40,788	16	6,668	28	833	26	806	14,713	75,520	2,891	23,181
Scranton—Wilkes-Barre Area (Lackawanna and Luzerne Counties)	95,981	30,734	167	22,703	26	7,558	8	288	5	185	18,796	65,247	3,303	20,286
Counties in which aggregate horsepower exceeded 25,000: 1929														
Allegheny	1,398,914	947,853	1,687	[4] 522,055	360	361,909	183	63,889	1	(4)	38,160	451,061	29,105	666,713
Armstrong	89,847	12,196	30	6,429	6	2,136	60	3,631	------	------	2,406	77,651	79	562
Beaver	349,055	213,709	143	96,426	71	114,795	21	1,781	5	707	6,321	135,346	6,335	185,200
Berks	124,615	49,095	203	40,788	16	6,668	28	833	26	806	14,713	75,520	2,891	23,181
Blair	61,971	51,566	121	17,011	35	34,071	12	254	9	230	2,262	10,405	3,044	45,568
Bucks	30,603	15,868	64	7,524	8	7,069	10	500	11	775	2,907	14,735	706	7,786
Butler	98,953	6,864	30	[4] 5,319	1	(5)	37	1,545	------	------	2,337	92,089	481	6,283
Cambria	220,265	199,094	121	126,391	19	72,500	6	203	------	------	2,450	21,171	4,277	147,530
Carbon	44,095	37,321	37	8,310	35	28,183	9	566	6	262	1,052	6,774	1,010	16,961
Chester	110,874	53,102	249	35,257	34	8,612	53	8,804	17	429	3,041	57,772	2,285	64,461
Clearfield	25,547	13,076	95	11,645	6	1,051	10	380	------	------	1,168	12,471	203	3,096
Clinton	33,861	22,081	58	10,711	10	11,010	4	120	9	240	1,729	11,780	860	17,820
Dauphin	114,784	79,512	56	23,990	62	27,436	16	27,878	8	208	3,607	35,272	4,654	92,777
Delaware	234,476	73,580	143	22,683	34	47,913	31	2,629	10	355	12,570	160,896	3,890	39,950
Elk	40,373	23,505	55	[4] 10,200	6	12,270	9	1,035	1	(4)	1,253	16,868	796	15,706
Erie	111,668	46,358	132	23,008	13	22,528	9	707	4	115	8,579	65,310	9,611	76,018
Fayette	30,262	13,526	85	11,208	3	328	29	1,842	6	148	1,358	16,736	306	3,367
Lackawanna	41,446	10,500	41	[6] 6,401	12	4,159	1	(6)	------	------	6,788	30,886	1,754	8,650
Lancaster	76,865	10,016	77	7,436	12	499	28	552	59	1,529	11,249	66,849	1,156	1,659
Lawrence	155,209	100,688	170	68,672	36	31,411	8	409	8	196	2,156	54,521	2,893	66,230
Lebanon	67,142	39,023	31	5,019	8	33,650	6	194	8	160	3,031	28,119	1,112	26,771
Lehigh	111,246	40,919	177	30,522	21	8,053	15	1,339	18	1,005	13,954	70,327	1,706	14,983
Luzerne	54,535	20,174	126	16,352	14	3,399	7	238	5	185	12,008	34,361	1,549	11,636
Lycoming	40,645	17,506	93	16,208	5	750	4	134	16	414	4,957	23,139	1,621	8,319
Mercer	203,618	96,150	159	64,962	41	27,086	32	3,972	4	130	3,913	107,468	2,176	44,097
Mifflin	43,661	29,402	75	12,780	4	14,900	13	1,515	9	207	1,466	14,259	327	15,322
Montgomery	171,940	80,797	211	49,695	50	28,599	20	1,865	21	638	10,548	91,143	3,916	63,375
Northampton	457,337	375,218	261	212,691	47	90,341	31	71,236	20	950	10,459	82,119	9,761	266,316
Northumberland	33,493	11,352	71	8,506	13	2,123	10	688	2	35	5,274	22,141	2,845	37,653
Philadelphia	652,321	264,830	1,166	170,815	256	76,520	231	14,163	29	3,332	74,626	387,491	20,792	155,298
Schuylkill	38,908	22,542	93	21,683	7	318	8	466	3	75	2,767	16,366	836	13,149
Venango	31,908	16,870	91	5,800	9	6,607	46	4,463	------	------	1,707	15,038	964	10,400
Washington	130,987	91,146	62	46,911	19	41,145	16	3,090	------	------	2,746	39,841	2,286	57,219
Westmoreland	203,371	120,725	211	84,989	38	34,654	11	1,082	------	------	6,821	82,646	4,412	71,134
York	98,376	29,986	162	17,058	18	8,929	11	285	24	3,714	9,887	68,390	1,754	26,500

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.
[5] Item for steam turbines included with that for steam engines to avoid disclosing data for a single establishment.
[6] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	5,991,493	3,346,112	2,645,381	2,359,077
Adams	7,421	2,609	4,812	684
Allegheny	1,398,914	947,853	451,061	666,713
Armstrong	89,847	12,196	77,651	562
Beaver	349,055	213,709	135,346	185,200
Bedford	6,432	5,130	1,302	1,145
Berks	124,615	49,095	75,520	23,181
Blair	61,971	51,566	10,405	45,568
Bradford	13,969	11,024	2,945	6,470
Bucks	30,603	15,868	14,735	7,786
Butler	98,953	6,864	92,089	6,283
Cambria	220,265	199,094	21,171	147,530
Cameron	1,399	1,064	335	482
Carbon	44,095	37,321	6,774	16,961
Centre	8,767	1,184	7,583	----------
Chester	110,874	53,102	57,772	64,461
Clarion	7,496	4,188	3,308	1,188
Clearfield	25,547	13,076	12,471	3,096
Clinton	33,861	22,081	11,780	17,830
Columbia	23,785	9,186	14,599	5,743
Crawford	17,516	5,337	12,179	3,679
Cumberland	18,516	4,480	14,036	2,607
Dauphin	114,784	79,512	35,272	92,777
Delaware	234,476	73,580	160,896	39,950
Elk	40,373	23,505	16,868	15,706
Erie	111,668	46,358	65,310	76,018
Fayette	30,262	13,526	16,736	3,367
Forest	2,294	2,259	35	669
Franklin	19,188	7,744	11,444	8,214
Fulton	408	339	69	----------
Greene	601	374	227	----------
Huntingdon	10,465	3,425	7,040	1,224
Indiana	14,110	2,509	11,601	22
Jefferson	7,491	3,723	3,768	286
Juniata	1,061	757	304	----------
Lackawanna	41,446	10,560	30,886	8,650
Lancaster	76,865	10,016	66,849	1,659
Lawrence	155,209	100,688	54,521	66,230
Lebanon	67,142	39,023	28,119	26,771
Lehigh	111,246	40,919	70,327	14,983
Luzerne	54,535	20,174	34,361	11,636
Lycoming	40,645	17,506	23,139	8,319
McKean	18,924	9,555	9,369	3,951
Mercer	203,618	96,150	107,468	44,097
Mifflin	43,661	29,402	14,259	15,322
Monroe	6,070	1,411	4,659	74
Montgomery	171,940	80,797	91,143	63,375
Montour	11,894	1,586	10,308	55
Northampton	457,337	375,218	82,119	266,316
Northumberland	33,493	11,352	22,141	37,653
Perry	1,870	1,067	803	125
Philadelphia	652,321	264,830	387,491	155,298
Pike	466	345	121	[2]
Potter	6,858	6,439	419	1,386
Schuylkill	38,908	22,542	16,366	13,149
Snyder	2,661	749	1,912	15
Somerset	3,861	2,402	1,459	1
Sullivan	676	494	182	----------
Susquehanna	3,749	903	2,846	5
Tioga	7,205	5,795	1,410	3,321
Union	2,809	1,967	842	1,087
Venango	31,908	16,870	15,038	10,400
Warren	24,188	7,789	16,399	2,673
Washington	130,987	91,146	39,841	57,219
Wayne	3,777	1,925	1,852	[2] 1,000
Westmoreland	203,371	120,725	82,646	71,134
Wyoming	2,395	2,143	252	1,211
York	98,376	29,986	68,390	26,560

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Item for Pike County combined with that for Wayne County to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	54,804,767	$150,685,305	51,675,926	70,696,159	63,334,005	58,515,887	61,558,023
Anthracite (tons, 2,240 lbs.)	3,163,459	11,483,622	[3]	4,578,958	4,252,192	3,906,024	4,201,180
Bituminous (tons, 2,000 lbs.)	51,261,690	139,201,683	[3]	65,567,723	58,571,552	54,141,142	56,852,704
Coke (tons, 2,000 lbs.)	17,331,244	73,410,082	[4]	[4]	13,247,923	11,996,930	14,025,660
Fuel oils, including crude oils and gas oils (gallons) [5]	613,125,603	23,230,660	[4]	[4]	387,025,632	85,117,326	85,584,870
Gasoline and kerosene (gallons) [5]	3,818,350	512,712	[4]	[4]	14,159,544		
Gas, natural (M cu. ft.)	72,163,053	20,612,840	[4]	[4]	117,636,190	110,044,684	118,637,414
Gas, manufactured (M cu. ft.)	390,115,734	26,875,606	[4]	[4]			
Other fuels	----------	2,115,345	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	3,501,286,469	50,595,260	[6]	[6]	[4]	[4]	[4]
Total cost of fuel and purchased energy	----------	[7] 348,037,810	*Cost* $325,040,487	*Cost* [8]	*Cost* $342,090,821	*Cost* $139,337,862	*Cost* $137,332,192

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries	16,947	[3] 140,864	1,014,046	3,346,112	2,645,381	*Dollars* [3] 369,943,068	*Dollars* 1,379,444,293	*Dollars* 3,680,107,606	*Dollars* 333,147,925	*Dollars* 7,443,861,057	*Dollars* 3,430,605,526
Agricultural implements	10	181	716	1,414	3,213	428,983	897,895	1,030,901	66,037	2,995,893	1,898,955
Aircraft and parts	5	194	764	----------	1,088	484,025	1,298,237	1,012,775	41,896	3,708,396	2,653,725
Alcohol, ethyl, and distilled liquors	3	72	302	1,876	1,942	239,530	551,225	8,531,714	339,185	12,618,816	3,744,917
Artificial and preserved flowers and plants	7	14	183	----------	32	42,057	135,861	232,852	3,426	556,919	320,641
Artists' materials	8	27	294	100	1,149	64,595	366,012	693,645	47,050	1,811,519	1,070,824
Asbestos products, other than steam packing and pipe and boiler covering	9	164	1,136	1,010	6,129	395,543	1,550,866	2,707,134	148,541	7,096,128	4,240,453
Awnings, tents, sails, and canvas covers	88	116	454	96	211	211,129	503,775	1,704,616	19,582	3,108,163	1,383,965
Bags, other than paper, not made in textile mills	11	50	353	----------	192	151,652	298,632	3,581,027	9,922	4,704,980	1,114,031
Bags, paper, exclusive of those made in paper mills	11	119	579	268	851	246,182	727,017	3,119,893	41,990	5,152,646	1,990,763
Baskets and rattan and willow ware, not including furniture	13	46	316	40	85	118,973	299,735	655,795	10,583	1,358,797	692,419
Belting other than leather and rubber, not made in textile mills	4	58	166	375	787	198,119	187,836	637,523	27,501	1,393,513	728,489
Belting, leather	18	48	289	230	408	150,776	445,511	2,667,092	15,424	4,387,514	1,704,998
Beverages	468	553	2,293	11,170	6,005	1,419,252	3,412,525	7,244,390	526,990	20,724,144	12,952,764
Billiard and pool tables, bowling alleys, and accessories	3	5	13	----------	10	10,380	23,031	61,710	540	142,700	80,450
Blacking, stains, and dressings	8	20	32	5	27	59,690	35,269	198,550	2,877	459,104	257,677
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	16	490	3,433	4,743	9,659	1,818,272	4,510,838	10,631,368	553,868	25,345,592	14,160,356
Bookbinding and blank-book making	87	197	1,530	300	1,073	571,828	1,662,133	1,336,676	49,213	5,015,189	3,629,300
Boots and shoes, other than rubber	102	943	10,429	3,268	4,005	2,123,360	10,108,460	21,012,884	266,906	41,574,942	20,295,152
Boxes, cigar, wooden	34	66	1,641	1,271	1,263	146,497	1,300,018	2,266,687	52,129	4,904,965	2,586,149
Boxes, paper, not elsewhere classified	131	709	5,276	328	4,960	1,905,061	4,670,323	9,876,456	216,836	21,367,664	11,274,372
Boxes, wooden, except cigar boxes	47	156	1,601	5,513	2,697	490,744	1,808,728	3,689,010	76,988	7,567,484	3,801,486
Bread and other bakery products	1,929	2,554	23,960	6,721	35,091	6,136,260	31,180,587	77,743,716	3,510,554	170,608,502	89,354,232
Brooms	34	39	296	170	321	87,690	317,532	711,657	15,471	1,507,662	780,534
Brushes, other than rubber	25	57	300	----------	328	152,846	368,665	1,111,410	15,547	2,084,974	958,017
Butter	71	101	221	967	1,426	118,115	300,904	4,616,309	68,554	5,940,096	1,255,233
Buttons	8	39	461	352	377	95,016	468,745	684,909	30,038	1,748,645	1,033,698
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	81	416	3,725	4,954	5,456	1,065,620	3,494,035	24,187,458	286,051	43,826,147	19,352,638
Car and general construction and repairs, electric-railroad repair shops	47	174	2,173	----------	7,276	377,430	3,141,861	2,457,927	65,962	6,046,670	3,522,781
Car and general construction and repairs, steam-railroad repair shops	194	4,625	53,391	94,081	51,747	12,065,763	88,837,983	99,532,594	3,487,350	205,363,042	102,343,098
Carbon paper and inked ribbons	5	21	34	----------	106	61,995	37,604	210,944	4,922	416,143	200,277
Cardboard, not made in paper mills	3	107	258	580	69	421,820	343,622	1,011,348	19,382	2,488,822	1,458,092
Card cutting and designing	10	40	254	----------	377	148,276	283,160	346,651	6,669	1,068,635	715,315
Carpets and rugs, rag	12	23	374	100	421	47,646	270,147	404,175	20,150	955,988	531,663
Carpets and rugs, wool, other than rag	32	685	6,904	7,070	9,475	2,412,325	9,179,105	23,228,424	575,156	45,557,834	21,754,254
Carriage, wagon, sleigh, and sled materials	7	14	85	60	708	26,707	88,305	138,708	11,692	297,927	147,527
Carriages and sleds, children's	10	95	527	275	422	211,282	609,622	957,122	29,799	2,054,885	1,067,964
Carriages, wagons, sleighs, and sleds	6	31	214	275	747	94,200	242,525	508,909	24,193	1,034,954	501,852
Cars, electric and steam railroad, not built in railroad repair shops	15	1,200	7,634	22,935	16,405	2,456,835	12,114,190	50,920,829	1,028,619	74,364,217	22,414,769
Caskets, coffins, burial cases, and other morticians' goods	30	238	1,883	2,723	3,248	704,146	2,266,064	5,050,217	99,657	12,655,700	7,505,826
Cast-iron pipe	8	80	1,794	1,100	5,226	192,664	2,290,310	3,227,664	330,836	7,480,424	3,921,924
Cement	30	1,364	7,470	129,892	134,681	3,608,802	11,677,846	9,660,858	11,459,709	59,420,041	38,299,474
Cheese	18	11	48	111	48	17,337	59,063	701,038	12,197	883,060	169,045
Chemicals, not elsewhere classified	52	1,006	3,280	12,681	21,054	2,478,554	4,792,635	24,410,119	1,909,380	48,111,312	21,791,813
Chocolate and cocoa products, not including confectionery	12	294	2,787	19,729	6,610	966,271	3,364,099	38,379,500	605,456	58,330,360	19,345,104
Cigars and cigarettes	330	1,101	25,221	1,486	5,547	2,824,105	18,728,740	47,045,212	362,078	108,061,016	60,653,726
Clay products (other than pottery) and non-clay refractories	245	1,219	16,033	27,291	63,045	3,234,826	20,564,691	9,264,619	8,177,334	59,490,570	42,048,617
Cleaning and polishing preparations	28	109	171	20	708	225,117	227,394	1,477,499	41,842	4,001,501	2,482,260
Clocks, clock movements, time-recording devices, and time stamps	3	12	26	----------	25	17,885	33,233	24,332	2,100	117,619	91,187
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	384	1,357	18,473	331	3,688	3,303,296	20,817,217	49,298,699	412,603	98,346,790	48,635,488
Clothing, men's, buttonholes	7	3	97	----------	15	3,640	98,406	16,955	1,285	165,854	147,614
Clothing, women's, not elsewhere classified	380	1,098	14,688	194	3,041	2,508,639	13,257,944	38,966,806	253,376	74,240,029	35,017,847
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	52	143	1,794	31	489	345,288	1,279,497	4,194,784	36,461	6,946,106	2,714,861
Cloth sponging and refinishing	5	9	57	----------	111	21,188	86,464	2,146	2,932	215,526	210,448
Coffee and spice, roasting and grinding	62	255	396	175	2,071	594,358	471,463	19,379,207	97,962	23,567,308	4,090,139
Coke, not including gas-house coke	69	877	5,836	133,547	15,795	1,844,977	9,372,943	4,872,812	71,849,761	115,345,477	38,622,904
Collapsible tubes	3	25	335	40	352	115,344	264,419	1,006,400	16,737	1,478,800	455,663
Compressed and liquefied gases	41	321	430	644	11,835	582,311	724,402	979,998	530,662	6,735,840	5,225,180
Concrete products	260	352	1,523	566	6,523	710,681	1,981,155	2,956,549	192,463	8,278,868	5,129,856
Condensed and evaporated milk	45	89	375	3,862	2,023	153,552	501,784	6,587,894	148,583	8,439,873	1,703,396
Confectionery	206	932	7,469	3,156	11,371	2,520,560	6,381,432	20,318,746	520,508	41,656,102	20,816,848
Cooperage	43	53	510	950	468	154,210	675,228	3,400,201	36,822	5,063,285	1,626,262
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	125	589	2,532	590	4,304	1,531,518	3,810,436	8,795,556	153,556	20,541,195	11,592,083
Cordage and twine	9	93	1,435	2,425	2,651	384,438	1,321,981	3,427,696	107,830	6,094,207	2,558,681
Cotton goods	94	656	7,773	9,544	11,469	2,466,620	10,613,992	22,765,455	665,947	46,064,587	22,633,185
Cotton small wares	29	269	2,587	2,736	2,238	868,805	2,474,697	4,152,961	162,306	10,403,760	6,088,493
Crucibles	4	42	118	325	476	167,984	160,851	302,918	36,330	1,132,862	793,614

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Cutlery (not including silver and plated cutlery) and edge tools	19	82	657	715	1,562	206,445	785,440	560,670	80,631	2,192,905	1,551,604
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	6	78	229	555	387	164,436	310,459	441,937	24,902	1,298,673	831,834
Dental goods and equipment	15	144	1,810	248	649	439,634	1,705,128	2,178,576	95,681	7,362,147	5,087,890
Druggists' preparations	40	482	1,780	1,200	2,159	1,369,073	1,838,225	4,928,188	113,590	14,473,512	9,431,734
Drug grinding	4	19	25	30	280	40,830	30,816	266,509	5,483	382,699	110,617
Dyeing and finishing textiles	133	1,218	8,858	20,672	11,056	3,752,505	11,504,787	42,694,726	2,023,225	73,958,467	29,340,516
Electrical machinery, apparatus, and supplies	137	11,155	47,373	57,907	101,427	24,606,021	67,733,588	145,608,139	3,748,135	347,140,742	197,784,468
Electroplating	37	55	274	150	1,361	154,720	413,638	237,020	45,759	1,255,088	982,309
Embroideries	26	32	422		139	73,106	384,917	190,619	13,123	973,397	769,655
Emery wheels and other abrasive and polishing appliances	9	185	605	1,408	1,016	449,296	808,830	999,910	119,671	3,924,138	2,804,557
Engines, turbines, tractors, and water wheels	20	1,903	6,631	39,692	22,252	4,439,617	10,783,649	12,775,797	775,483	32,255,959	18,704,679
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	10	2	39		46	(4)	59,126	39,041	1,410	179,185	138,734
Engraving, steel and copperplate, and plate printing	33	316	1,195		882	890,538	1,617,077	1,604,282	39,929	5,698,537	4,054,326
Envelopes	16	174	787		676	501,836	734,121	1,696,580	29,096	4,093,238	2,367,562
Explosives	18	201	1,121	2,439	5,164	693,458	1,633,358	4,620,201	246,810	11,969,844	7,102,833
Fancy and miscellaneous articles, not elsewhere classified	55	186	1,483		567	513,400	1,315,188	2,604,736	32,336	5,883,672	3,246,600
Feed, prepared, for animals and fowls	68	110	497	1,430	5,115	210,046	638,724	16,665,606	106,713	19,260,120	2,487,801
Fertilizers	26	156	570	591	2,619	341,467	668,346	4,376,085	132,074	6,729,984	2,221,825
Files	5	66	900	1,025	1,994	217,186	1,119,622	404,170	127,408	2,980,433	2,448,855
Fireworks	7	15	54		29	31,785	47,563	113,563	1,878	247,619	132,178
Flags and banners	7	44	206		93	110,234	155,510	614,535	6,695	1,079,059	457,829
Flavoring extracts and flavoring sirups	33	155	273	1,217	585	445,462	337,459	1,632,834	59,703	5,102,006	3,409,469
Flour and other grain-mill products	410	197	831	18,149	10,457	413,472	1,011,647	17,266,436	278,703	21,593,708	4,048,569
Food preparations, not elsewhere classified	62	139	366	44	1,141	348,520	393,295	3,267,303	71,951	5,089,045	1,749,791
Forgings, iron and steel, not made in plants operated in connection with rolling mills	36	349	2,592	2,160	18,053	1,090,549	3,695,544	6,841,677	1,075,344	16,421,592	8,504,571
Foundry and machine-shop products, not elsewhere classified	879	12,311	55,364	48,523	242,493	34,424,444	83,759,897	142,969,956	7,869,966	374,041,290	223,201,368
Foundry supplies	12	41	116	585	859	111,655	176,409	622,899	25,786	1,282,755	634,070
Fur goods	126	142	440		220	341,969	822,347	3,194,566	34,244	5,479,598	2,250,788
Furnishing goods, men's, not elsewhere classified	51	170	3,239		672	317,968	2,016,239	5,838,933	52,586	10,836,193	4,944,674
Furniture, including store and office fixtures	265	1,554	12,159	15,138	21,949	4,218,396	15,622,933	23,938,160	808,256	55,511,926	30,765,510
Galvanizing and other coating, not done in plants operated in connection with rolling mills	8	42	277	50	652	173,790	361,347	808,425	58,722	1,697,564	830,417
Gas and electric fixtures; lamps, lanterns, and reflectors	41	227	1,157	375	818	617,729	1,456,305	2,167,369	76,195	5,575,936	3,332,372
Gas machines, gas meters, and water and other liquid meters	10	307	1,789	825	2,125	753,172	2,731,506	5,152,766	112,548	12,614,752	7,349,438
Gas, manufactured, illuminating and heating	64	1,471	3,296	25,415	8,615	2,976,076	4,648,394	5,610,381	6,946,585	38,241,814	25,684,848
Glass	70	1,574	18,521	17,097	97,057	4,037,106	24,116,139	20,742,147	9,400,908	81,050,092	50,907,037
Glass products (except mirrors) made from purchased glass	60	196	1,324	40	1,078	411,468	1,509,894	4,026,639	64,609	6,691,948	2,600,700
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics	6	18	186		142	27,133	114,827	367,541	4,421	631,264	259,302
Glue and gelatin	7	85	480	1,898	115	336,099	707,245	3,165,023	135,030	5,294,341	1,994,288
Gold, silver, and platinum, reducing and refining, not from the ore	3	18	9		42	49,334	18,164	600,468	3,780	756,316	152,068
Grease and tallow, not including lubricating greases	37	124	668	1,104	3,364	339,567	961,460	5,083,654	241,964	7,608,918	2,283,300
Hair work	6	3	26		3	2,832	30,672	11,888	915	73,690	60,887
Handkerchiefs	7	22	513		129	30,305	393,430	1,359,881	10,119	2,384,953	1,014,953
Hand stamps and stencils and brands	25	137	378		683	375,566	506,369	501,243	26,934	2,156,284	1,628,107
Hardware not elsewhere classified	42	609	4,470	1,496	6,184	1,489,273	5,309,389	5,241,480	301,824	16,624,476	11,081,172
Hats and caps, except felt and straw, men's	50	59	461		217	119,493	605,382	921,673	19,863	2,313,673	1,372,137
House-furnishing goods, not elsewhere classified	54	139	859	100	991	390,347	936,329	4,710,133	55,458	7,213,221	2,447,630
Ice cream	290	867	3,091	5,263	28,296	2,224,133	4,597,176	20,448,874	1,050,494	47,010,703	25,511,335
Ice, manufactured	267	556	1,994	23,622	61,398	1,474,462	3,113,619	617,228	2,131,710	15,777,987	13,029,049
Ink, printing	13	113	236	25	1,618	407,943	410,667	1,110,653	56,115	3,443,104	2,276,336
Instruments, professional and scientific	39	719	2,228	615	1,714	1,851,982	2,633,453	3,677,238	104,178	12,070,345	8,288,929
Iron and steel: Blast furnaces	30	720	8,186	1,990,017	607,505	2,082,767	13,918,094	168,547,851	66,495,274	280,711,528	45,668,403
Iron and steel: Steel works and rolling mills	158	13,937	145,684			38,685,010	248,618,590	639,713,769	70,133,816	1,212,876,850	503,029,271
Jewelry	68	158	633	12	381	342,288	986,612	1,769,100	21,373	4,082,240	2,291,767
Jewelry and instrument cases	9	15	133	24	80	34,960	145,806	204,642	4,675	513,407	304,090
Jute goods	5	62	804	1,790	2,429	189,295	793,195	2,525,883	71,794	4,389,651	1,791,974
Knit goods	482	3,473	62,141	10,548	28,481	11,772,331	78,990,922	143,095,976	2,017,971	294,322,880	149,208,933
Labels and tags	15	175	723	36	612	387,493	606,226	1,501,594	28,457	3,761,725	2,221,674
Lace goods	12	470	3,634	4,735	836	1,931,317	3,723,273	4,988,030	168,634	15,840,829	10,684,165
Lasts and related products	4	11	56		208	37,311	79,210	41,805	10,697	215,944	163,442
Leather goods, not elsewhere classified	21	50	202	75	149	106,701	219,015	516,232	9,857	1,022,357	566,268
Leather: Tanned, curried, and finished	62	589	8,876	28,009	9,513	2,391,951	11,323,960	69,243,903	1,085,276	95,958,590	25,629,412
Lime	29	121	1,462	2,218	14,859	258,209	1,731,840	1,026,444	906,748	5,990,525	4,057,333
Lithographing	27	275	1,368	910	1,239	958,181	2,160,349	2,459,495	70,316	7,835,987	5,306,176
Lubricating oils and greases, not made in petroleum refineries	32	408	421	2,634	1,148	1,092,611	591,443	6,202,258	92,131	12,030,241	6,735,852
Lumber and timber products, not elsewhere classified	324	188	3,417	16,100	1,016	363,726	3,352,164	2,712,149	86,605	10,874,012	8,075,258
Macaroni, spaghetti, vermicelli and noodles	21	76	710	70	2,235	162,756	585,680	3,091,221	104,213	5,145,646	1,950,212
Machine-tool accessories and small metal-working tools, not elsewhere classified	36	143	897	81	2,692	506,129	1,374,516	909,750	90,177	3,943,723	2,943,796
Machine tools	22	526	2,982	4,705	5,481	1,284,399	4,037,915	3,990,439	213,163	15,610,883	11,407,281
Marble, granite, slate, and other stone products	169	348	3,440	6,844	13,874	943,728	4,783,046	3,465,797	454,154	12,636,522	8,716,571

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Mattresses and bed springs, not elsewhere classified	60	192	1,004	9	2,545	471,508	1,229,333	3,459,550	75,271	6,444,480	2,909,659
Meat packing, wholesale	132	1,129	5,232	9,365	9,975	3,223,205	7,883,980	109,957,689	785,428	132,783,116	22,039,999
Millinery	33	126	1,071	259	343	328,432	1,121,818	2,211,550	42,491	4,896,624	2,642,583
Minerals and earths, ground or otherwise treated	9	43	462	505	17,251	104,621	644,658	2,070,585	495,763	4,180,981	1,614,633
Mirror and picture frames	9	18	141	----------	211	39,766	139,295	260,432	6,714	552,577	285,431
Mirrors, framed and unframed	27	68	484	55	910	217,024	645,694	1,485,619	46,785	3,098,493	1,566,089
Models and patterns, not including paper patterns	69	46	589	55	1,047	93,168	939,494	392,869	25,325	2,161,475	1,743,281
Motion pictures, not including projection in theaters	5	35	46	----------	61	99,203	55,400	213,575	4,713	442,890	224,602
Motor-vehicle bodies and motor-vehicle parts	82	1,279	11,678	2,355	49,684	3,511,331	17,836,074	26,697,552	920,846	60,827,869	33,209,471
Motor vehicles, not including motorcycles	14	1,057	7,731	2,952	10,047	2,410,849	11,738,024	59,775,586	336,662	100,488,760	40,376,512
Mucilage, paste, and other adhesives, except glue and rubber cement	7	19	23	28	45	46,399	29,571	178,372	3,391	346,277	164,514
Musical-instrument parts and materials: Piano and organ	6	19	73	----------	185	68,788	108,782	186,976	5,064	408,718	216,678
Musical instruments and parts and materials, not elsewhere classified	4	8	52	----------	109	24,859	79,133	32,933	4,963	170,336	132,440
Muscial instruments: Organs	7	25	146	----------	288	64,824	234,352	240,903	7,126	642,502	394,473
Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills	6	29	216	125	1,189	96,454	262,346	616,834	38,797	1,185,235	529,604
Needles, pins, hooks and eyes, and snap fasteners	4	157	1,168	277	726	471,379	1,233,301	1,046,938	41,150	3,859,594	2,771,506
Nonferrous-metal alloys and products, not including aluminum products	122	690	4,808	2,618	20,149	2,105,107	7,065,845	29,046,862	897,461	46,852,570	16,908,247
Oils, not elsewhere classified	8	72	66	219	211	278,936	101,750	1,522,962	22,884	2,319,714	773,868
Optical goods	8	94	398	----------	576	255,848	456,770	982,170	23,658	2,578,286	1,572,458
Paints and varnishes	106	1,230	2,835	9,103	10,068	3,335,478	4,262,373	29,636,567	644,679	48,965,861	18,684,555
Paper	56	1,016	7,026	116,424	32,229	2,972,930	9,966,431	37,887,739	4,051,246	72,337,436	31,198,471
Pulp (wood and other fiber)	9	126	1,250			465,372	1,840,477	8,273,025	724,027	14,493,546	5,496,494
Paper goods, not elsewhere classified	28	322	1,084	283	2,036	973,988	1,233,499	4,150,767	90,133	8,178,317	3,937,417
Patent or proprietary medicines and compounds	113	459	860	1,184	1,541	1,339,055	1,099,738	4,767,067	82,303	17,216,136	12,366,766
Paving materials: Asphalt, tar, crushed slag, and mixtures	27	106	300	3,848	5,638	327,670	832,171	1,739,961	213,121	4,751,848	2,798,766
Perfumes, cosmetics, and other toilet preparations	38	153	332	----------	137	487,743	665,819	1,517,553	11,002	3,827,281	2,298,726
Petroleum refining	48	1,600	7,895	36,502	35,982	4,027,916	12,580,298	191,481,156	3,562,035	243,258,869	48,215,658
Photo-engraving, not done in printing establishments	44	330	959	----------	644	1,008,806	2,614,625	725,193	58,991	6,077,067	5,292,823
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	427	1,511	5,558	13,466	34,285	4,001,511	8,403,323	16,180,953	616,175	33,366,995	18,569,867
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	29	616	4,817	5,505	18,311	1,609,250	6,386,346	7,576,923	931,578	22,541,465	14,032,964
Pocketbooks, purses, and cardcases	17	119	1,040	160	123	302,987	957,711	2,340,421	11,245	4,306,827	1,955,161
Pottery, including porcelain ware	21	285	3,019	995	4,803	723,310	3,636,807	1,258,051	627,184	8,144,027	6,258,792
Printing and publishing, book and job	1,038	2,732	11,245	1,037	14,584	7,596,055	17,260,426	19,350,582	662,362	65,360,857	45,347,913
Printing and publishing, music	5	25	13	----------	33	52,112	16,721	15,438	1,921	293,990	276,631
Printing and publishing, newspaper and periodical	659	12,282	13,284	4,984	39,150	25,888,870	24,609,480	49,163,090	1,183,668	200,500,834	150,154,076
Printing materials, not including type or ink	4	20	68	10	89	90,436	104,591	176,042	6,984	830,256	647,230
Pumps (hand and power) and pumping equipment	24	508	1,841	2,340	4,373	1,383,277	3,055,712	6,293,800	213,469	13,229,854	6,722,585
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	12	66	448	235	1,403	171,695	695,330	842,548	32,627	2,156,491	1,281,316
Regalia, badges, and emblems	6	14	54	----------	30	27,232	62,694	97,481	2,460	224,471	124,530
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint	8	188	593	270	3,224	479,276	854,501	5,119,836	223,753	9,404,349	4,060,760
Rubber goods other than tires, inner tubes, and boots and shoes	22	262	2,117	1,749	17,119	833,580	2,504,735	4,889,791	633,935	12,046,828	6,523,102
Rubber tires and inner tubes	6	225	1,637	250	11,474	569,334	1,926,509	7,103,215	272,355	13,491,443	6,115,873
Saddlery and harness	13	11	79	74	35	24,971	88,308	242,752	3,261	486,079	240,066
Sandpaper, emery paper, and other abrasive paper and cloth	3	122	391	1,275	2,170	278,640	578,954	2,432,217	104,465	3,909,486	1,352,804
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	28	64	359	285	1,124	167,924	567,621	6,195,828	63,910	7,878,302	1,618,564
Scales and balances	6	83	186	26	578	177,181	263,803	236,795	11,466	784,350	536,089
Screw-machine products and wood screws	24	131	916	680	2,591	542,497	1,177,553	1,278,064	116,090	4,449,646	3,055,492
Ship and boat building, steel and wooden, including repair work	17	414	3,356	2,875	25,050	899,606	5,287,492	5,038,135	351,040	13,487,898	8,078,723
Shirts	211	767	16,478	30	3,569	1,864,214	10,672,293	23,308,903	267,885	47,593,671	24,016,883
Signs and advertising novelties	72	207	1,100	20	1,069	566,323	1,631,096	2,077,762	141,734	6,469,246	4,249,750
Silk and rayon manufactures	497	3,191	61,544	30,249	72,136	8,456,116	59,013,179	169,372,590	4,228,487	320,935,551	147,334,474
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	14	141	783	120	1,844	522,991	893,349	15,920,340	405,349	19,204,805	2,879,116
Smelting and refining, zinc	3	262	3,583	39,123	8,315	856,171	5,658,550	14,622,841	2,375,037	34,843,205	17,845,327
Soap	30	237	673	3,924	674	688,416	832,506	8,413,225	121,944	14,571,265	6,036,096
Springs, steel, except wire, not made in plants operated in connection with rolling mills	14	236	1,871	2,101	6,498	751,554	3,079,253	7,756,776	556,125	15,187,227	6,874,326
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	38	300	2,154	30	4,635	824,038	2,660,849	4,083,123	280,226	9,996,451	5,633,100
Stationery goods, not elsewhere classified	12	132	478	430	242	329,614	489,860	1,419,533	20,617	2,873,024	1,432,874
Statuary and art goods, factory product	15	35	223	36	106	96,828	361,423	207,562	10,003	901,384	683,819

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	26	301	1,624	10,384	2,861	848,800	2,247,042	3,966,005	581,684	8,616,823	4,069,134
Steam fittings and steam and hot-water heating apparatus	39	961	6,070	4,332	14,949	2,373,906	8,577,681	9,353,992	774,997	32,379,203	22,250,214
Steel barrels, kegs, and drums	6	26	286	----------	725	135,641	422,297	1,931,112	39,649	2,959,060	988,299
Stereotyping and electrotyping, not done in printing establishments	15	84	411	----------	969	281,967	881,967	231,383	52,170	2,245,096	1,961,543
Stoves and ranges (other than electric) and warm-air furnaces	61	688	3,907	875	10,154	1,765,884	5,723,645	9,696,596	432,660	25,574,948	15,445,692
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	146	2,508	11,421	18,009	44,541	6,845,282	17,509,778	58,462,943	1,096,703	102,230,002	42,670,356
Sugar refining, cane	3	271	1,715	17,208	----------	769,029	2,726,953	64,737,889	1,085,329	73,989,294	8,166,076
Surgical and orthopedic appliances, including artificial limbs	35	149	673	83	193	423,302	728,803	799,760	17,440	2,728,779	1,911,579
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	15	94	236	1,190	241	374,940	306,704	2,690,367	46,322	4,544,638	1,807,949
Textile machinery and parts	61	1,075	6,038	2,157	7,653	3,412,462	9,873,647	9,624,607	336,526	31,066,975	21,105,842
Tin cans and other tinware, not elsewhere classified	24	244	1,793	753	2,127	578,032	1,939,405	10,090,113	117,511	14,284,121	4,076,497
Tobacco: Chewing and smoking, and snuff	27	37	264	242	472	179,648	257,849	2,088,665	25,841	4,408,939	2,294,433
Tools, not including edge tools, machine tools, files, or saws	49	410	2,173	1,864	6,269	1,144,686	2,563,388	3,985,316	331,294	10,595,719	6,279,109
Toys (not including children's wheel goods or sleds), games, and playground equipment	33	201	1,823	374	2,144	531,167	1,695,695	2,622,250	83,496	6,521,709	3,815,963
Trimmings (not made in textile mills) and stamped art goods for embroidering	32	26	242	----------	170	41,955	244,807	407,974	14,093	1,027,236	605,169
Trunks, suitcases, and bags	43	115	1,252	130	341	351,635	1,476,944	4,334,068	32,467	7,689,271	3,322,736
Umbrellas, parasols, and canes	15	188	815	1,095	486	349,242	711,657	2,085,107	45,753	3,899,862	1,769,002
Upholstering materials, not elsewhere classified	5	38	255	590	159	141,574	255,711	1,378,377	33,961	2,103,570	691,232
Vinegar and cider	6	11	38	225	171	19,759	49,400	195,258	9,150	420,914	216,506
Wall paper	13	167	1,151	1,630	563	645,634	1,395,333	3,088,035	103,321	6,793,653	3,602,297
Wall plaster, wall board, insulating board, and floor composition	14	73	128	----------	4,757	170,310	181,376	459,030	56,054	1,154,926	639,842
Waste	26	104	441	400	1,567	338,208	480,502	4,279,158	51,822	6,072,851	1,741,871
Window and door screens and weather strip	10	36	213	360	359	148,344	293,931	544,799	14,516	1,273,660	714,345
Window shades and fixtures	19	55	274	----------	139	183,218	308,765	1,352,414	16,231	2,192,792	824,147
Wire, drawn from purchased bars or rods	11	398	2,384	3,305	14,490	1,487,387	3,469,236	11,352,699	455,336	20,339,687	8,491,652
Wirework, not elsewhere classified	55	418	2,959	994	8,591	1,188,297	3,478,705	11,956,070	410,982	26,784,078	14,417,026
Wood distillation and charcoal manufacture	22	73	648	1,602	141	146,899	710,269	1,595,850	566,840	3,654,306	1,491,616
Wood preserving	6	8	110	998	58	20,328	150,661	2,891,568	18,136	3,493,128	583,424
Wood turned and shaped and other wooden goods, not elsewhere classified	58	126	1,231	2,766	2,594	271,080	1,283,381	1,530,188	74,741	4,064,224	2,459,295
Woolen goods	69	463	6,231	8,921	10,717	1,780,058	7,940,030	28,178,484	609,246	44,328,145	15,540,415
Wool pulling	4	19	239	125	310	112,840	399,314	5,153,855	36,161	6,617,190	1,327,084
Worsted goods	61	752	10,692	19,226	10,724	2,528,284	12,458,290	51,134,172	846,348	81,204,842	29,224,322
Wrought pipe, welded and heavy riveted—not made in plants operated in connection with rolling mills	9	455	5,346	11,820	11,845	1,496,012	8,009,269	28,525,238	1,289,837	49,154,190	19,339,115
Other industries	237	6,798	45,599	50,399	141,006	16,866,929	60,471,422	142,323,345	4,840,545	293,852,480	146,688,590

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 27,494 employees of central administrative offices, with salaries aggregating $80,485,081. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each industrial area (See GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [c]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
PHILADELPHIA INDUSTRIAL AREA											
[This area comprises Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania, and Burlington, Camden, and Gloucester Counties, New Jersey. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	7,184	62,880	376,009	592,516	775,780	*Dollars* 169,510,736	*Dollars* 510,540,601	*Dollars* 1,488,231,423	*Dollars* 61,327,673	*Dollars* 2,981,045,661	*Dollars* 1,431,486,565
Artificial and preserved flowers and plants	7	14	153	----------	32	42,057	135,861	232,852	3,426	556,919	320,641
Awnings, tents, sails, and canvas covers	41	39	267	----------	127	131,760	339,458	1,169,457	10,374	2,070,099	890,268
Bags, other than paper, not made in textile mills	9	41	339	----------	268	131,442	296,487	3,035,041	17,414	4,248,229	1,195,774
Baskets and rattan and willow ware, not including furniture	10	36	301	165	161	104,066	298,796	620,988	10,239	1,350,020	718,793
Belting, leather	16	38	274	230	304	119,221	415,966	2,559,624	13,664	4,160,465	1,587,177
Beverages	122	189	771	2,545	1,862	526,456	1,262,412	2,593,972	177,012	7,826,426	5,055,442
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	5	37	240	310	313	166,632	326,681	518,978	25,573	1,533,408	988,857
Bookbinding and blank-book making	67	160	1,245	----------	929	440,325	1,425,881	843,968	36,640	3,739,387	2,855,779
Boots and shoes, other than rubber	47	373	3,260	1,319	1,314	814,550	3,983,349	5,537,980	86,989	12,680,613	7,055,644
Boxes, cigar, wooden	7	17	355	424	188	31,935	322,525	551,841	11,825	1,131,402	567,736
Boxes, paper, not elsewhere classified	73	475	3,818	228	6,216	1,289,690	3,772,001	11,408,950	279,075	20,128,009	8,439,984
Boxes, wooden, except cigar boxes	29	102	931	4,010	824	381,246	1,077,238	2,309,612	45,095	4,800,561	2,445,854
Bread and other bakery products	671	1,177	8,737	2,889	13,218	2,883,459	12,001,588	32,414,325	1,395,885	71,800,118	37,989,905
Brooms	12	6	128	90	147	13,117	132,753	305,714	4,637	620,092	309,741
Brushes, other than rubber	18	45	219	----------	151	116,410	249,142	706,153	10,269	1,488,496	772,074
Butter	28	33	48	319	201	23,509	57,427	934,666	22,276	1,140,677	183,735
Car and general construction and repairs, electric-railroad repair shops	12	93	994	----------	3,790	220,921	1,536,292	1,620,879	24,261	3,403,120	1,757,980
Car and general construction and repairs, steam-railroad repair shops	20	470	4,734	3,405	6,311	1,191,783	8,014,035	3,734,547	265,017	13,205,382	9,205,818
Cardboard, not made in paper mills	3	107	258	580	59	421,820	343,622	1,011,348	19,382	2,488,822	1,458,092
Card cutting and designing	10	40	254	----------	327	148,276	283,160	346,651	6,669	1,068,635	715,315
Carpets and rugs, rag	5	8	82	----------	275	22,452	70,724	93,535	7,359	228,485	127,591
Carpets and rugs, wool, other than rag	30	579	5,275	4,520	6,431	2,066,186	7,351,126	18,675,551	455,715	36,140,021	17,065,755
Carriages and sleds, children's	4	35	184	100	156	93,919	228,842	495,770	15,968	900,770	389,402
Caskets, coffins, burial cases, and other morticians' goods	11	69	298	220	554	253,248	371,835	532,058	14,901	1,797,492	1,250,533
Cast-iron pipe	7	117	2,476	575	7,073	259,177	3,310,527	4,224,835	630,452	9,487,862	4,632,575
Cheese	3	----------	7	29	10	----------	8,292	28,413	1,073	46,806	17,322
Chemicals, not elsewhere classified	23	701	1,940	10,454	8,022	1,649,088	2,981,843	13,809,324	962,771	25,660,788	10,888,693
Chocolate and cocoa products, not including confectionery	4	159	597	3,065	2,832	533,915	675,561	5,253,643	127,345	8,840,379	3,459,391
Cigars and cigarettes	73	564	10,766	1,293	3,143	1,906,331	8,891,656	27,339,472	213,116	65,392,491	37,839,903
Clay products (other than pottery) and nonclay refractories	40	234	2,694	3,752	5,701	727,130	3,177,451	3,356,739	1,112,609	12,494,849	8,025,501
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	334	1,049	14,098	115	2,836	2,687,866	17,656,132	43,545,541	307,118	86,236,177	42,383,518
Clothing, men's, buttonholes	7	3	97	----------	15	3,640	98,406	16,955	1,285	165,854	147,614
Clothing, women's, not elsewhere classified	313	819	9,476	----------	1,639	1,894,184	10,037,723	31,624,750	176,651	58,704,675	26,903,274
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	25	43	655	----------	126	80,122	537,296	1,597,621	16,779	2,774,611	1,160,211
Coffee and spice, roasting and grinding	25	149	238	250	1,041	327,851	254,633	10,265,304	63,871	13,120,317	2,788,142
Coke, not including gas-house coke	3	278	591	5,125	9,615	444,020	1,148,686	256,438	6,505,928	10,991,005	4,228,739
Compressed and liquefied gases	11	94	118	197	3,153	164,669	203,956	379,504	118,873	2,199,970	1,701,593
Concrete products	60	111	533	355	1,565	225,935	702,125	839,057	70,324	2,571,870	1,662,489
Confectionery	107	442	3,522	1,361	4,515	1,330,754	3,216,237	9,376,594	275,432	19,852,164	10,200,138
Cooperage	18	27	297	735	152	60,216	411,049	2,092,668	20,870	3,094,641	981,103
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	65	371	1,243	320	1,503	941,475	1,897,054	3,443,554	70,635	8,283,731	4,769,242
Cordage and twine	7	101	1,165	2,295	3,814	461,153	1,194,968	3,697,417	98,857	6,684,030	2,887,756
Cotton goods	97	631	7,251	7,239	9,481	2,376,013	10,206,252	21,701,926	591,080	43,720,286	21,427,220
Cotton small wares	24	160	2,039	2,736	1,091	600,467	2,001,222	3,165,396	122,604	8,148,653	4,860,653
Cutlery (not including silver and plated cutlery) and edge tools	7	24	213	393	94	53,959	239,366	120,628	22,753	534,755	411,374
Dental goods and equipment	11	112	1,133	8	436	336,665	1,109,740	1,312,999	65,606	3,611,935	2,233,333
Druggists' preparations	23	393	1,463	1,200	1,672	1,132,512	1,343,310	4,245,599	87,917	12,369,224	8,035,408
Dyeing and finishing textiles	117	973	6,560	16,470	10,722	3,259,839	8,715,698	41,199,690	1,457,474	66,799,386	24,142,222
Electrical machinery, apparatus, and supplies	65	3,899	17,237	8,247	19,912	9,489,575	25,602,647	63,746,988	1,116,762	146,716,357	81,852,607
Electroplating	19	32	126	150	247	75,839	196,609	60,425	16,883	501,107	423,799
Embroideries	21	25	265	----------	81	59,886	272,809	124,132	8,395	748,136	615,609
Emery wheels and other abrasive and polishing appliances	6	165	557	1,200	831	399,889	753,333	923,006	107,537	3,687,515	2,656,972
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	10	2	39	----------	46	(f)	59,126	39,041	1,410	179,185	138,734
Fancy and miscellaneous articles, not elsewhere classified	48	155	1,309	----------	345	438,723	1,170,067	2,272,939	25,816	5,132,640	2,833,885
Feeds, prepared, for animals and fowls	13	31	65	258	945	59,704	86,639	2,001,840	20,463	2,433,952	411,649
Fertilizers	8	115	493	1,155	1,417	288,195	600,361	3,568,884	117,902	5,269,172	1,582,386
Files	5	66	900	1,025	1,994	217,186	1,119,622	404,170	127,408	2,980,433	2,448,855
Fireworks	4	4	20	----------	16	12,065	13,108	57,950	1,283	112,848	53,615
Flavoring extracts and flavoring sirups	25	133	236	537	405	351,690	274,637	1,404,749	40,346	4,555,787	3,110,692

See footnotes at end of this section, p. 454.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
PHILADELPHIA INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Flour and other grain-mill products	33	35	103	2,355	221	66,304	135,235	1,940,327	28,051	2,381,866	413,488
Food preparations, not elsewhere classified	30	86	186	25	590	213,659	217,331	1,739,948	34,492	2,795,283	1,020,843
Forgings, iron and steel, not made in plants operated in connection with rolling mills	13	154	681	1,644	4,943	537,895	1,093,480	2,320,687	346,808	5,060,493	2,392,998
Foundry and machine-shop products, not elsewhere classified	303	3,712	14,256	9,287	40,787	10,317,608	23,045,038	29,910,611	1,603,905	93,407,755	61,893,239
Foundry supplies	5	17	59	20	318	34,416	83,597	149,524	12,231	378,215	216,460
Fur goods	113	102	337	----------	191	235,386	651,719	2,922,283	29,469	4,788,383	1,836,631
Furnishing goods, men's, not elsewhere classified	24	93	664	----------	114	201,394	626,355	2,690,928	12,538	4,495,102	1,791,636
Furniture, including store and office fixtures	127	660	4,256	2,828	6,639	1,946,304	6,684,903	9,297,722	248,762	22,313,239	12,766,755
Gas and electric fixtures; lamps, lanterns, and reflectors	36	256	1,280	1,075	904	658,628	1,616,362	2,300,341	89,691	6,170,149	3,780,117
Gas machines, gas meters, and water and other liquid meters	4	73	330	185	125	210,271	491,004	978,996	21,725	2,242,316	1,241,595
Gas, manufactured, illuminating and heating	12	1,164	2,406	21,779	7,356	2,443,894	3,480,285	4,795,747	5,639,096	34,272,154	23,837,311
Glass	6	116	865	2,346	1,171	351,201	1,006,522	991,893	309,001	3,659,732	2,358,838
Glass products (except mirrors) made from purchased glass	24	59	389	----------	196	120,899	520,679	609,842	20,858	1,667,593	1,036,893
Glue and gelatin	5	71	249	1,005	175	312,838	364,502	1,804,770	119,393	3,406,724	1,482,561
Grease and tallow, not including lubricating greases	11	64	341	510	1,542	179,228	497,701	3,392,330	84,323	4,683,893	1,207,240
Hair work	6	3	26	----------	3	2,832	30,672	11,888	915	73,690	60,887
Hand stamps and stencils and brands	15	21	200	----------	231	74,476	256,657	208,306	13,932	809,922	587,684
Hardware not elsewhere classified	14	125	762	583	483	255,335	1,007,782	2,150,529	57,817	4,837,413	2,629,067
Hats and caps, except felt and straw, men's	40	42	324	----------	167	84,253	457,081	671,959	16,032	1,742,062	1,054,071
House-furnishing goods, not elsewhere classified	41	113	735	100	813	310,321	824,263	3,722,081	47,846	5,832,476	2,062,549
Ice cream	53	330	1,146	1,276	9,179	935,063	1,785,999	8,840,717	267,799	21,277,116	12,168,600
Ice, manufactured	98	210	876	8,382	33,224	752,564	1,426,213	243,345	1,133,665	8,153,447	6,776,437
Ink, printing [1]	13	113	236	25	1,618	407,943	410,667	1,110,653	56,115	3,443,104	2,276,336
Instruments, professional and scientific	30	505	1,573	615	1,373	1,295,364	2,024,734	2,206,027	84,802	8,041,649	5,750,820
Iron and steel: Blast furnaces	3	36	381	100,846	75,355	155,049	679,730	6,095,572	3,475,189	11,874,032	2,303,271
Iron and steel: Steel works and rolling mills	24	1,754	13,067			4,406,484	21,513,750	41,202,737	7,559,844	89,486,665	40,724,084
Jewelry	52	118	449	----------	255	232,346	713,780	1,481,211	14,059	3,261,098	1,765,828
Knit goods	264	2,079	32,808	6,058	13,938	7,096,603	46,484,182	77,580,375	1,139,592	164,821,444	86,101,477
Labels and tags	11	139	647	36	523	329,330	528,070	1,324,706	24,025	3,311,349	1,962,618
Lace goods	6	203	1,563	1,425	566	920,890	1,405,475	1,450,303	106,668	6,671,368	5,114,397
Lasts and related products	4	11	56	----------	208	37,311	79,210	41,805	10,697	215,944	163,442
Leather goods, not elsewhere classified	17	36	171	15	59	83,972	190,035	376,635	6,499	853,476	470,342
Leather: Tanned, curried, and finished	38	478	6,672	14,271	5,407	2,057,629	8,747,793	40,362,369	614,640	58,905,278	17,928,269
Lithographing	21	195	998	910	680	681,135	1,584,352	1,922,466	52,988	5,886,354	3,910,900
Lubricating oils and greases, not made in petroleum refineries	13	331	173	525	855	863,341	266,675	1,675,249	35,271	5,562,731	3,852,211
Lumber and timber products, not elsewhere classified	5	9	41	210	14	18,380	58,167	65,989	3,110	183,842	114,743
Machine-tool accessories and small metal-working tools, not elsewhere classified	14	23	256	49	299	80,182	493,677	89,529	17,384	873,718	766,805
Machine tools	8	113	600	1,366	750	362,417	950,704	546,412	53,764	2,326,920	1,726,744
Marble, granite, slate, and other stone products	50	100	711	644	3,099	235,552	1,194,593	1,549,328	79,038	3,558,381	2,230,015
Mattresses and bed springs, not elsewhere classified	29	79	409	9	786	182,155	486,806	1,538,936	30,520	2,822,795	1,253,339
Meat packing, wholesale	52	349	1,963	2,250	3,239	998,777	3,040,575	47,705,718	312,630	56,865,686	8,847,338
Mirror and picture frames	6	3	21	----------	18	5,737	28,418	79,311	1,149	157,472	77,012
Mirrors, framed and unframed	14	22	154	30	334	59,912	255,076	710,432	23,584	1,391,268	657,252
Models and patterns, not including paper patterns	33	13	286	55	400	24,718	405,164	166,438	9,439	959,919	784,042
Motor-vehicle bodies and motor-vehicle parts	38	929	8,602	555	39,523	2,606,762	13,620,508	20,504,544	561,421	45,473,050	24,407,085
Mucilage, paste, and other adhesives, except glue and rubber cement [1]	7	19	25	28	45	46,399	29,571	178,372	3,391	346,277	164,514
Musical instruments: Organs	3	10	44	----------	62	19,980	63,714	82,998	2,928	199,940	114,014
Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills	3	18	120	125	50	49,492	104,990	107,963	5,444	396,657	283,250
Nonferrous-metal alloys and products, not including aluminum products	61	388	2,123	2,033	9,868	1,223,406	3,267,653	13,077,153	475,585	21,823,771	8,271,033
Oils, not elsewhere classified	8	72	66	219	211	278,936	101,750	1,522,962	22,884	2,319,714	773,868
Paints and varnishes	75	758	1,690	7,679	2,692	2,078,024	2,432,859	19,931,347	336,203	31,989,600	11,722,050
Paper	31	662	4,062	48,687	17,771	2,044,120	5,675,519	19,124,922	2,576,016	40,933,685	19,232,747
Paper goods, not elsewhere classified	23	100	368	408	741	319,075	417,011	1,889,631	34,864	3,287,539	1,363,044
Patent or proprietary medicines and compounds	65	309	640	793	1,063	1,006,881	822,212	3,938,179	64,005	14,600,941	10,598,757
Paving materials: Asphalt, tar, crushed slag, and mixtures	8	53	263	1,510	1,598	200,881	395,891	1,223,045	114,420	2,582,480	1,245,015
Perfumes, cosmetics, and other toilet preparations	22	117	162	----------	96	404,167	154,576	1,234,846	7,253	3,264,188	2,022,089
Petroleum refining	8	1,131	6,401	41,203	20,706	2,705,234	9,951,475	130,885,529	975,762	182,065,647	50,204,356
Photo-engraving, not done in printing establishments	20	251	713	----------	430	785,296	2,034,212	569,774	41,999	4,671,947	4,060,174
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	102	549	1,871	4,614	6,441	1,563,642	3,093,731	4,573,543	168,809	11,583,065	6,840,713
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	14	187	1,009	270	3,874	468,449	1,412,872	2,890,127	116,869	6,286,831	3,279,835
Pocketbooks, purses, and cardcases	14	148	964	160	65	346,008	999,066	2,292,211	13,481	5,018,906	2,713,214
Pottery, including porcelain ware	7	25	230	325	334	73,474	311,856	181,455	63,969	903,548	658,124
Printing and publishing, book and job	546	1,675	6,336	759	7,454	4,625,772	10,243,436	12,039,941	357,946	40,490,416	28,092,529

See footnotes at end of this section, p. 454.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
PHILADELPHIA INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Printing and publishing, music	5	25	13		33	52,112	16,721	15,438	1,921	293,990	276,631
Printing and publishing, newspaper and periodical	225	7,579	7,584	4,960	25,312	15,885,011	14,038,496	36,838,844	635,510	142,510,490	105,036,136
Printing materials, not including type or ink	4	21	76	10	270	99,879	118,022	214,501	9,606	935,352	711,245
Pumps (hand and power) and pumping equipment	5	55	98		225	123,094	177,353	442,377	18,565	1,047,976	587,034
Rubber goods other than tires, inner tubes, and boots and shoes	11	217	1,140	1,711	12,092	502,133	1,429,869	2,971,074	471,108	7,125,419	3,683,237
Saddlery and harness	5	3	30	[2]	4	5,619	31,719	50,817	270	126,035	74,948
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	11	42	236	230	558	113,938	405,222	3,978,226	39,430	5,033,599	1,015,943
Scales and balances	3	8	89	26	45	26,473	135,939	95,843	3,076	318,067	219,148
Screw-machine products and wood screws	11	57	304	300	637	110,756	420,127	473,632	37,034	1,505,709	995,043
Ship and boat building, steel and wooden, including repair work	15	704	5,733	16,027	19,743	1,656,283	8,510,074	6,218,418	522,979	20,251,949	13,510,552
Shirts	63	325	4,278	30	954	941,438	3,764,226	8,999,321	89,790	17,516,117	8,427,006
Signs and advertising novelties	41	74	276		91	207,549	430,969	800,455	9,105	2,162,653	1,343,093
Silk and rayon manufactures	67	395	5,526	3,135	5,053	1,418,015	5,604,792	18,664,485	297,303	32,473,479	13,511,691
Soap	21	260	756	4,607	410	786,764	929,482	9,925,797	137,808	16,356,724	6,293,119
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	15	77	501		941	210,567	655,032	954,659	35,467	2,132,045	1,141,919
Stationery goods, not elsewhere classified	6	6	246	60	88	113,394	248,733	494,765	11,025	1,115,746	609,956
Statuary and art goods, factory product	12	33	211	36	105	91,828	344,371	201,308	9,794	858,048	646,946
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	22	288	1,498	10,361	1,794	805,141	2,092,974	3,426,145	553,960	7,620,341	3,640,236
Steam fittings and steam and hot-water heating apparatus	15	482	1,083	700	3,432	1,122,221	1,617,895	4,539,354	129,333	11,435,351	6,766,664
Stereotyping and electrotyping, not done in printing establishments	10	69	407		837	229,622	878,551	226,839	49,274	2,134,715	1,858,602
Stoves and ranges (other than electric) and warm-air furnaces	22	230	1,429	325	2,919	497,614	2,085,532	3,572,994	193,828	8,506,534	4,739,712
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	46	492	3,356	4,770	14,433	1,361,109	4,943,800	19,088,699	258,931	31,247,530	11,899,900
Sugar refining, cane	3	271	1,715	17,208		769,029	2,726,953	64,737,889	1,085,329	73,989,294	8,166,076
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	13	87	219	850	1,283	349,342	304,395	1,961,084	62,997	3,736,897	1,712,816
Textile machinery and parts	44	683	2,920	2,207	4,631	2,235,596	4,630,230	5,433,310	195,375	16,861,090	11,232,405
Tin cans and other tinware, not elsewhere classified	14	157	825	416	700	326,736	941,511	2,340,943	65,226	4,504,444	2,108,275
Tools, not including edge tools, machine tools, files, or saws	17	98	738	1,052	1,930	226,094	767,709	1,342,055	89,381	2,924,042	1,492,606
Toys (not including children's wheel goods or sleds), games, and playground equipment	16	51	423	324	330	147,625	373,471	583,400	19,512	1,432,516	829,604
Trunks, suitcases, and bags	39	98	1,380	255	443	303,516	1,576,815	4,511,526	34,018	8,090,719	3,545,175
Umbrellas, parasols, and canes	7	51	353	1,020	68	121,968	317,219	635,574	27,555	1,531,518	868,389
Upholstering materials, not elsewhere classified	5	38	255	590	159	141,574	255,711	1,378,377	33,961	2,103,570	691,232
Wall paper	7	85	527	815	229	304,790	600,827	1,514,062	43,078	3,472,693	1,915,553
Wall plaster, wall board, insulating board, and floor composition	9	57	98		4,519	132,395	141,400	366,513	52,211	909,641	490,917
Window and door screens and weather strip	5	13	82	360	60	61,619	112,301	262,471	3,387	567,934	302,076
Wirework, not elsewhere classified	29	81	655	83	1,066	180,340	772,794	1,514,953	63,437	3,505,608	1,927,218
Wood turned and shaped and other wooden goods, not elsewhere classified	16	22	135	382	208	41,137	194,190	179,629	13,007	576,486	383,850
Woolen goods	52	368	5,175	7,640	9,292	1,562,336	6,950,662	25,632,989	522,603	39,949,881	13,794,289
Worsted goods	63	770	10,966	21,376	10,253	2,561,002	12,548,035	50,812,956	861,692	81,631,998	29,357,350
Other industries	550	10,473	61,656	106,550	167,543	27,673,450	82,805,041	255,861,634	7,190,343	496,114,699	233,062,722

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for each of the 3 industries covered by this footnote include data for 1 establishment located outside the Philadelphia Industrial Area, to avoid disclosing the figures reported by the establishments in question.
[2] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

PITTSBURGH INDUSTRIAL AREA

[This area comprises Allegheny, Beaver, Washington, and Westmoreland Counties]

All industries, total	2,587	33,050	227,221	1,373,433	708,894	*Dollars* 87,726,512	*Dollars* 357,075,488	*Dollars* 1,017,971,314	*Dollars* 140,767,052	*Dollars* 2,015,399,034	*Dollars* 856,660,668
Awnings, tents, sails, and canvas covers	23	51	122	96	55	73,049	108,282	399,860	5,633	735,242	329,749
Beverages	96	108	478	4,203	1,098	284,860	739,883	1,399,245	124,700	3,815,997	2,292,052
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills [1]	11	453	3,193	4,433	9,346	1,651,640	4,184,187	10,112,390	528,295	23,812,184	13,171,499
Bookbinding and blank-book making	12	19	112		89	58,054	134,076	49,616	2,986	350,861	298,259
Boxes, paper, not elsewhere classified	10	109	526	100	696	307,818	516,935	1,867,164	30,323	3,383,855	1,486,368
Boxes, wooden, except cigar boxes	8	26	215	400	1,159	55,037	266,163	763,227	17,294	1,378,228	597,707

See footnotes at end of this section, p. 456.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
PITTSBURGH INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Bread and other bakery products	459	538	6,539	3,499	7,503	1,244,168	8,586,179	20,606,278	776,486	46,213,340	24,830,576
Brooms	7	5	29	----------	47	10,860	31,918	76,504	2,033	145,766	67,229
Brushes, other than rubber	4	16	70	----------	172	39,898	102,417	334,331	3,990	536,922	198,601
Car and general construction and repairs, steam-railroad repair shops	34	891	10,341	23,161	11,788	2,339,662	18,415,978	23,343,932	592,347	44,700,483	20,764,204
Chemicals, not elsewhere classified	15	262	958	1,003	8,921	700,892	1,383,856	8,869,535	674,658	17,626,090	8,081,897
Cigars and cigarettes	22	34	618	----------	81	84,183	394,461	557,425	8,904	1,327,812	761,483
Clay products (other than pottery) and nonclay refractories	58	294	3,269	2,140	16,961	765,783	4,079,758	1,472,825	1,470,535	11,080,625	8,137,265
Cleaning and polishing preparations	8	20	24	----------	39	37,946	39,625	338,615	2,060	544,666	203,991
Clothing (except work clothing), men's, youths' and boys', not elsewhere classified	13	48	533	65	153	147,969	479,077	1,252,890	12,912	2,458,985	1,193,183
Coffee and spice, roasting and grinding	20	117	142	----------	690	305,587	185,339	9,952,723	31,008	11,187,421	1,203,690
Coke, not including gas-house coke	23	478	3,125	95,975	4,550	1,118,268	5,484,950	2,912,719	38,865,071	71,714,533	29,946,713
Compressed and liquefied gases	14	171	218	122	5,738	311,170	372,379	513,997	225,902	3,013,862	2,273,963
Concrete products	68	101	477	155	1,798	193,672	649,947	1,154,505	72,013	2,890,417	1,663,899
Confectionery	23	233	1,777	1,476	2,052	630,396	1,607,252	6,315,699	93,088	11,894,850	5,486,063
Cooperage	15	17	135	----------	195	73,799	165,533	801,300	8,456	1,178,729	368,973
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	33	128	848	270	1,515	384,921	1,333,471	4,318,558	54,888	9,724,725	5,351,279
Druggists' preparations	8	50	116	----------	440	155,291	94,535	387,367	16,357	971,112	567,388
Electrical machinery, apparatus, and supplies	34	4,905	20,027	30,010	26,710	10,154,338	29,847,039	51,610,929	1,600,570	119,489,106	66,277,607
Electroplating	8	16	91	----------	808	60,066	142,809	66,132	17,669	449,191	365,390
Flavoring extracts and flavoring sirups	7	10	29	555	180	31,050	46,320	148,063	13,722	336,916	175,131
Flour and other grain-mill products	13	8	25	425	705	13,488	27,810	327,941	10,142	427,405	89,322
Food preparations, not elsewhere classified	8	31	76	7	307	92,939	82,672	832,969	11,227	1,277,622	433,426
Forgings, iron and steel, not made in plants operated in connection with rolling mills	11	107	639	335	4,931	317,012	1,183,312	2,631,591	369,547	6,184,483	3,183,345
Foundry and machine-shop products, not elsewhere classified	175	3,451	15,061	8,777	91,148	10,071,280	24,219,173	52,197,412	2,474,927	120,117,987	65,445,648
Foundry supplies	4	20	51	355	497	64,884	81,845	421,681	12,792	790,933	356,460
Fur goods	10	38	88	----------	25	102,924	153,913	251,357	4,476	634,561	378,728
Furniture, including store and office fixtures	17	72	511	----------	982	191,274	739,121	1,257,367	26,373	2,768,464	1,484,724
Glass	40	972	11,734	10,013	41,964	2,444,383	15,059,305	12,663,097	5,524,780	52,220,330	34,032,453
Grease, and tallow, not including lubricating greases	6	29	208	110	1,034	97,712	309,156	1,387,069	110,093	2,198,182	701,020
Hand stamps and stencils and brands	6	116	173	----------	445	301,050	244,480	283,243	12,712	1,308,475	1,012,520
Hats and caps, except felt and straw, men's	4	6	40	----------	14	6,100	68,377	135,819	1,427	254,974	117,728
House-furnishing goods, not elsewhere classified	9	20	99	----------	127	71,563	100,590	865,174	6,137	1,188,374	317,063
Ice cream	37	106	451	1,660	4,751	254,652	696,675	3,709,736	156,172	7,773,683	3,867,775
Ice, manufactured	49	151	549	4,688	15,518	393,845	875,757	143,406	434,773	4,263,170	3,684,991
Iron and steel: Steel works and rolling mills	71	7,157	80,392	1,095,901	253,737	20,965,487	140,135,982	405,639,855	36,610,268	730,110,187	287,860,064
Jewelry	10	30	132	12	98	86,143	208,049	224,995	5,134	627,550	397,421
Lubricating oils and greases, not made in petroleum refineries	10	34	147	1,598	77	123,121	186,844	1,383,180	12,361	2,179,180	783,639
Lumber and timber products, not elsewhere classified	10	1	30	250	----------	(c)	32,207	31,395	160	119,251	87,696
Macaroni, spaghetti, vermicelli, and noodles	4	16	159	----------	775	35,601	120,798	622,164	17,925	977,464	337,375
Machine tools	4	55	87	----------	232	101,316	127,164	266,023	6,831	720,721	447,867
Marble, granite, slate, and other stone products	29	63	262	100	1,330	187,871	533,813	621,549	32,619	1,888,005	1,233,837
Mattresses and bed springs, not elsewhere classified	7	53	313	----------	956	156,500	386,970	903,918	19,112	1,755,739	832,709
Meat packing, wholesale	26	401	1,705	3,307	2,180	1,073,780	2,620,412	29,451,290	217,772	36,206,379	6,537,317
Mirrors, framed and unframed	4	27	216	----------	410	107,434	260,291	400,018	10,140	999,286	589,128
Models and patterns, not including paper patterns	16	14	148	----------	312	34,286	291,553	142,492	7,858	653,885	503,535
Motor-vehicle bodies and motor-vehicle parts	16	66	600	33	2,925	184,961	807,425	1,167,784	109,686	3,006,867	1,729,397
Nonferrous-metal alloys and products, not including aluminum products	23	115	782	800	3,422	368,645	1,153,602	5,954,126	140,911	9,446,382	3,351,345
Paints and varnishes	21	294	623	815	3,594	950,221	946,565	6,930,358	142,588	12,369,296	5,296,350
Patent or proprietary medicines and compounds	20	64	137	610	306	165,771	131,944	530,171	21,928	1,562,100	1,010,001
Perfumes, cosmetics, and other toilet preparations	12	25	28	----------	12	61,685	23,399	97,360	800	285,464	187,304
Petroleum refining	9	155	753	1,501	3,994	410,423	1,382,491	17,490,975	406,488	22,104,811	4,207,348
Photo-engraving, not done in printing establishments	9	53	153	----------	84	165,793	391,296	93,682	8,969	878,809	776,158
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	93	292	749	995	8,614	808,161	1,382,138	3,468,263	91,004	6,879,593	3,320,326
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	7	248	2,280	4,535	9,986	628,669	3,269,038	3,079,618	497,662	11,230,537	7,653,257
Pottery, including porcelain ware	10	125	1,208	585	2,593	317,607	1,498,628	425,481	286,134	3,433,942	2,722,327
Printing and publishing, book and job	197	496	1,842	222	2,433	1,343,300	2,859,787	3,032,185	108,067	10,507,017	7,366,765
Printing and publishing, newspaper and periodical	125	1,869	2,014	5	5,488	4,433,167	4,067,934	6,607,444	150,880	27,602,973	20,844,649
Pumps (hand and power) and pumping equipment	7	130	516	1,415	594	408,232	884,779	3,111,094	39,270	5,541,701	2,391,337
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	4	5	22	----------	119	12,224	25,413	136,011	1,575	216,399	78,813
Screw-machine products and wood screws	5	16	105	90	410	34,861	115,349	190,260	18,118	583,332	374,954
Shirts	7	9	113	----------	138	18,836	87,515	106,922	2,565	305,343	201,856
Signs and advertising novelties	10	90	603	----------	796	253,987	918,654	985,958	111,076	3,378,652	2,281,618
Soap	6	13	64	18	241	25,818	80,080	306,534	13,919	613,280	292,827
Springs, steel, except wire, not made in plants operated in connection with rolling mills	9	183	1,661	2,100	6,085	617,238	2,829,164	7,321,078	511,711	14,087,689	6,254,900

See footnotes at end of this section, p. 456.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
PITTSBURGH INDUSTRIAL AREA—Continued											
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	9	67	771	---	940	*Dollars* 171,819	*Dollars* 874,706	*Dollars* 1,302,999	*Dollars* 103,151	*Dollars* 3,453,989	*Dollars* 2,047,839
Steam fittings and steam and hot-water heating apparatus	11	412	2,954	2,817	6,684	944,577	4,249,068	3,337,684	407,252	12,556,419	8,811,583
Stereotyping and electrotyping, not done in printing establishments	4	16	35	---	155	81,460	74,392	23,986	5,931	265,708	236,791
Stoves and ranges (other than electric) and warm-air furnaces	15	211	623	50	1,388	459,728	973,700	2,735,944	50,121	6,964,819	4,178,754
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	53	1,629	6,415	13,157	23,515	4,296,413	10,156,398	30,546,098	680,913	56,881,721	24,654,710
Surgical and orthopedic appliances, including artificial limbs	6	11	42	---	41	21,145	57,814	32,749	1,675	174,106	139,682
Tin cans and other tinware, not elsewhere classified	4	21	492	---	866	98,409	490,935	3,819,325	19,048	4,731,249	892,876
Tools, not including edge tools, machine tools, files, or saws	12	151	654	67	2,560	510,383	816,855	1,598,974	138,592	4,272,228	2,534,662
Toys (not including children's wheel goods or sleds), games and playground equipment	5	59	303	---	524	194,373	305,297	598,041	17,956	1,658,146	1,042,149
Wire, drawn from purchased bars or rods	5	113	870	2,070	6,246	444,377	1,267,564	4,730,363	149,910	7,587,697	2,706,824
Wirework, not elsewhere classified	11	45	295	---	1,001	443,456	481,036	2,444,264	39,055	4,618,134	2,134,815
Wood turned and shaped and other wooden goods, not elsewhere classified	3	2	10	---	68	[3]	12,084	76,246	1,893	107,446	29,307
Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills	4	253	2,694	7,490	7,790	898,809	4,435,375	18,107,515	681,486	30,771,292	11,982,291
Other industries [4]	242	3,734	29,469	38,857	79,943	9,438,892	41,886,455	221,167,322	44,429,060	379,714,285	114,117,903

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] The figures for this industry include data for 3 establishments located outside the area to avoid disclosing approximations of the data for the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the area are not affected by these counterbalancing adjustments.
[4] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the data reported by individual establishments.
[5] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
[6] See footnote 3.

YOUNGSTOWN INDUSTRIAL AREA

[This area comprises Lawrence and Mercer Counties, Pennsylvania, and Mahoning and Trumbull Counties, Ohio. For statistics by industries for the area as a whole, see report for Ohio]

All industries, total	612	9,608	78,903	722,846	448,395	*Dollars* 25,386,913	*Dollars* 138,076,535	*Dollars* 436,586,608	*Dollars* 67,441,487	*Dollars* 823,532,610	*Dollars* 319,604,615

ALLENTOWN-BETHLEHEM INDUSTRIAL AREA

[This area comprises Lehigh and Northampton Counties]

All industries, total	705	6,789	68,483	416,137	152,446	*Dollars* 18,216,006	*Dollars* 76,490,266	*Dollars* 175,627,865	*Dollars* 29,538,143	*Dollars* 396,185,282	*Dollars* 191,019,274
Beverages	22	43	128	1,630	437	87,663	200,798	396,292	43,926	1,270,760	830,542
Boots and shoes, other than rubber	6	16	158	90	264	34,418	132,427	252,462	7,591	520,915	260,862
Boxes, paper, not elsewhere classified	6	5	163	---	96	21,708	107,007	188,458	7,211	445,242	249,673
Bread and other bakery products	83	69	904	16	1,088	210,106	1,319,721	2,792,399	146,910	5,865,843	2,926,534
Butter	6	4	5	60	53	2,725	8,066	127,329	3,033	162,642	32,280
Caskets, coffins, burial cases, and other morticians' goods	3	12	42	50	46	24,015	47,473	93,608	3,072	204,624	107,944
Cement	18	1,039	5,634	108,397	69,871	2,629,959	8,809,184	7,126,061	8,553,612	44,266,683	28,587,010
Cigars and cigarettes	10	33	1,950	188	366	204,661	1,452,723	4,148,179	30,332	8,797,852	4,619,341
Clay products (other than pottery) and nonclay refractories	4	10	136	---	1,501	25,989	189,787	6,623	92,637	536,807	437,547
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	10	26	738	---	87	59,402	518,871	429,036	31,617	1,363,299	902,746
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	3	3	16	---	8	5,422	9,207	28,789	338	55,975	26,848
Concrete products	16	34	140	10	515	100,626	167,214	143,702	12,939	530,333	373,692
Confectionery	4	5	110	---	633	31,639	46,968	72,421	11,341	183,583	99,821
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	6	13	116	---	62	44,009	158,076	316,508	4,540	713,265	392,217
Electrical machinery, apparatus, and supplies	5	112	1,069	---	760	232,735	1,071,001	1,780,066	33,652	3,913,308	2,099,590
Flour and other grain-mill products	19	32	94	1,355	324	80,435	123,210	2,348,867	14,377	2,802,415	502,171
Foundry and machine-shop products, not elsewhere classified	34	917	2,330	1,530	12,778	2,350,029	3,243,170	5,911,923	363,645	16,062,923	9,787,355
Furniture, including store and office fixtures	11	80	716	320	2,028	266,414	820,249	1,036,859	46,143	2,625,568	1,642,566
Ice cream	10	40	126	40	809	99,819	180,843	661,939	43,878	1,555,315	849,498
Ice, manufactured	11	24	73	2,100	554	52,852	131,944	36,840	73,425	561,785	451,520

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ALLENTOWN-BETHLEHEM INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Knit goods	19	194	4,861	200	3,075	749,595	5,313,681	18,480,484	199,069	27,905,678	9,226,125
Marble, granite, slate, and other stone products	45	149	2,212	6,770	7,937	413,418	2,657,266	765,607	310,481	5,392,415	4,316,327
Nonferrous-metal alloys and products, not including aluminum products	4	9	34	----------	78	16,523	45,143	68,850	7,069	174,155	98,236
Paints and varnishes	4	54	493	685	1,425	144,061	851,992	2,734,418	148,132	6,168,972	2,286,422
Paving materials: Asphalt, tar, crushed slag, and mixtures	5	8	44	375	1,050	17,627	74,936	209,867	23,073	381,576	148,636
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	15	67	284	835	1,779	185,867	451,917	795,643	37,237	1,706,098	873,218
Printing and publishing, book and job	36	92	390	----------	453	235,115	561,415	576,679	29,281	1,997,030	1,391,070
Printing and publishing, newspaper and periodical	15	301	290	----------	714	587,118	563,635	645,556	48,014	3,336,987	2,643,417
Shirts	12	28	830	----------	108	62,027	672,924	300,716	11,255	1,326,091	1,014,120
Silk and rayon manufactures	105	751	13,412	3,033	14,456	2,278,052	15,210,373	34,014,416	855,841	66,919,128	32,048,871
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	10	150	716	----------	3,110	472,809	1,076,653	6,059,344	83,972	9,576,840	3,433,524
Textile machinery and parts	7	25	158	----------	129	67,234	144,240	232,766	7,369	544,199	304,064
Other industries	141	2,445	20,111	289,553	25,852	6,422,034	30,228,252	82,848,158	18,253,231	179,256,976	78,155,587
READING INDUSTRIAL AREA											
[This area is coextensive with Berks County]											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	578	4,272	47,350	49,095	75,520	12,061,862	61,879,198	97,336,420	6,860,926	229,028,386	124,831,040
Beverages	11	13	38	----------	104	22,509	66,297	124,472	5,420	323,577	193,685
Boots and shoes, other than rubber	4	79	786	95	324	172,914	731,191	1,580,614	20,542	3,130,351	1,529,195
Boxes, paper, not elsewhere classified	12	20	278	----------	177	57,750	244,096	293,956	10,097	820,076	516,023
Bread and other bakery products	64	76	762	----------	1,000	193,047	957,713	1,720,750	142,463	4,119,751	2,256,538
Brooms	5	16	118	85	95	41,922	122,312	278,577	6,078	605,022	320,367
Butter	8	1	5	115	26	(?)	5,494	212,181	4,242	274,974	58,561
Cigars and cigarettes	15	37	943	----------	254	86,435	722,078	1,531,518	15,810	3,445,972	1,898,644
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	5	74	806	18	150	142,892	646,235	431,422	14,918	1,424,933	978,593
Concrete products	7	7	51	----------	160	20,324	75,968	99,449	6,475	328,981	223,057
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	1	14	----------	32	(?)	16,199	17,947	1,682	48,163	28,534
Dyeing and finishing textiles	9	57	319	600	848	184,295	394,374	295,765	104,182	1,409,105	1,009,158
Flour and other grain-mill products	24	4	33	969	455	4,492	38,249	493,919	15,773	631,867	120,175
Foundry and machine-shop products, not elsewhere classified	38	243	1,551	1,555	5,593	638,206	2,141,586	2,141,412	245,622	6,604,372	4,217,338
Furniture, including store and office fixtures	7	31	122	----------	530	76,261	153,090	318,679	16,164	628,787	293,944
Gas and electric fixtures; lamps, lanterns, and reflectors	3	10	33	----------	40	19,733	41,546	21,864	1,708	74,106	50,534
Hardware not elsewhere classified	7	203	1,491	530	2,274	502,779	1,926,632	1,272,999	110,121	4,395,818	3,012,698
Ice cream	6	1	35	62	210	(?)	49,084	109,287	15,561	245,135	120,287
Ice, manufactured	6	11	77	687	3,225	29,873	125,367	21,022	92,343	505,482	392,117
Iron and steel: Steel works and rolling mills	12	438	3,499	[8] 21,760	[8] 15,362	1,170,181	6,418,364	5,772,703	1,534,609	18,150,616	10,843,304
Jewelry	3	5	20	----------	13	9,298	20,760	22,090	908	73,573	50,575
Knit goods	84	704	17,392	2,992	7,344	2,871,961	22,467,814	33,382,521	460,620	75,140,093	41,296,952
Marble, granite, slate, and other stone products	6	13	58	60	157	46,454	93,046	80,078	5,222	331,158	245,858
Meat packing, wholesale	4	50	186	185	569	156,402	263,884	4,901,414	24,875	5,752,508	826,219
Models and patterns, not including paper patterns	5	5	45	----------	69	10,517	83,522	23,865	2,291	176,578	150,422
Nonferrous-metal alloys and products, not including aluminum products	8	39	197	----------	278	121,785	271,864	920,227	30,972	1,505,807	554,608
Photo-engraving, not done in printing establishments	3	7	24	----------	59	15,146	63,490	14,134	3,035	125,533	108,364
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	9	31	124	80	1,272	81,756	208,758	360,598	18,315	900,712	521,799
Printing and publishing, book and job	16	38	119	----------	238	75,087	203,271	169,464	10,525	653,070	473,081
Printing and publishing, newspaper and periodical	13	195	235	----------	519	380,518	580,555	444,969	26,504	2,348,511	1,877,038
Signs and advertising novelties	6	16	63	----------	87	28,119	85,630	97,676	6,598	279,422	175,148
Silk and rayon manufactures	10	63	1,008	----------	970	148,159	1,237,648	5,071,253	57,478	10,084,654	4,955,923
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	4	16	90	----------	327	47,873	121,840	158,124	27,559	421,563	235,880
Stoves and ranges (other than electric) and warm-air furnaces	4	46	309	----------	828	145,269	416,051	320,091	28,777	1,192,696	843,828
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	5	31	154	82	253	72,760	274,627	583,444	7,974	952,573	361,155
Other industries	152	1,691	16,365	19,220	31,688	4,487,145	21,620,564	34,045,936	3,785,463	81,922,847	44,091,448

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[7] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

[8] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the data reported by individual establishments.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
SCRANTON—WILKES-BARRE INDUSTRIAL AREA											
[This area comprises Lackawanna and Luzerne Counties]											
All industries, total	769	4,548	42,268	30,734	65,247	*Dollars* 11,169,880	*Dollars* 41,515,994	*Dollars* 89,409,066	*Dollars* 3,783,603	*Dollars* 185,951,766	*Dollars* 92,759,097
Awnings, tents, sails, and canvas covers	7	3	23		9	3,600	23,110	53,757	1,648	113,117	57,712
Beverages	50	50	257	1,070	622	142,010	407,476	582,181	52,053	1,819,925	1,185,691
Boxes, paper, not elsewhere classified	4	7	112		112	14,338	75,073	107,631	4,572	288,352	176,149
Bread and other bakery products	120	230	1,677	218	2,372	546,107	1,998,069	5,406,537	242,903	11,612,587	5,963,147
Car and general construction and repairs, steam-railroad repair shops	18	301	3,372	5,053	1,562	773,690	5,354,830	5,727,165	201,986	12,057,671	6,128,520
Caskets, coffins, burial cases, and other mortician' goods	3	21	174		374	68,186	195,129	660,226	8,641	1,219,692	550,825
Clay products (other than pottery) and non-clay refractories	6	14	107	186	1,239	33,626	117,908	13,884	52,873	251,790	185,033
Clothing, women's, not elsewhere classified	13	56	1,053		293	137,994	773,876	1,854,744	13,767	4,343,654	2,475,143
Clothing, work (including sheep-lined work coats but not including shirts), men's	7	22	489		109	55,822	329,774	902,158	8,786	1,555,212	644,268
Coffee and spice, roasting and grinding	3	4	9		23	3,236	8,853	164,778	2,126	210,693	43,789
Concrete products	13	15	30	50	463	22,902	35,624	118,866	8,020	267,479	140,593
Confectionery	7	10	74		83	21,192	46,248	121,114	7,706	299,432	170,612
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	4	15	77		58	37,586	111,755	182,353	4,116	419,351	232,882
Explosives	5	31	239	487	1,139	120,116	404,280	1,209,378	60,258	2,478,553	1,208,917
Feeds, prepared, for animals and fowls	5	9	21	45	247	11,740	26,905	254,245	3,276	309,338	51,817
Foundry and machine-shop products, not elsewhere classified	38	588	1,806	2,736	5,171	1,561,579	2,490,665	4,405,751	200,037	11,631,206	7,025,418
Furniture, including store and office fixtures	8	36	238		426	74,174	293,303	455,494	10,295	1,214,435	748,646
Gas, manufactured, illuminating and heating	6	73	280	1,483	221	142,288	398,801	319,161	497,677	2,415,495	1,598,657
Grease and tallow, not including lubricating greases	6	7	39	199	61	13,710	61,822	77,787	9,004	187,583	100,792
Hats and caps, except felt and straw, men's	3	10	56		25	24,617	44,401	105,747	1,782	259,213	151,684
Ice cream	29	74	327	300	2,540	236,822	470,792	1,426,036	95,922	3,220,362	1,698,404
Iron and steel: Steel works and rolling mills	3	70	572	950	1,855	146,913	610,103	1,322,523	105,695	2,507,355	1,079,137
Knit goods	11	77	940		1,096	182,090	589,865	1,003,404	43,878	2,088,447	1,041,165
Lumber and timber products, not elsewhere classified	11	2	53	90		(9)	52,133	70,793	1,920	255,352	182,639
Marble, granite, slate, and other stone products	7	10	51		692	36,179	91,272	72,152	10,661	272,613	189,800
Mattresses and bed springs, not elsewhere classified	6	6	55		148	12,435	72,143	164,211	6,368	350,815	180,236
Patent or proprietary medicines and compounds	6	27	46		17	70,480	46,854	114,805	2,841	360,634	242,988
Photo-engraving, not done in printing establishments	3	7	15		22	15,426	28,559	6,726	1,537	93,469	85,206
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	20	59	208	390	1,742	131,003	298,790	399,782	29,813	1,039,966	610,371
Printing and publishing, book and job	54	116	798		1,450	288,786	1,152,112	1,318,738	50,337	3,532,138	2,163,063
Printing and publishing, newspaper and periodical	41	611	528	6	1,496	1,248,300	1,160,594	979,407	83,790	5,719,430	4,656,233
Shirts	8	95	2,265		317	248,173	1,295,194	3,455,996	27,344	6,062,637	2,579,297
Signs and advertising novelties	7	3	32		5	4,500	43,275	32,954	918	102,457	68,585
Silk and rayon manufactures	113	725	17,622	10,674	25,829	1,595,280	13,414,248	35,205,950	1,317,546	63,017,438	26,493,942
Stoves and ranges (other than electric) and warm-air furnaces	4	36	271	225	462	104,536	375,963	209,237	28,884	852,866	614,745
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	10	39	195		512	94,841	309,008	424,798	11,655	942,251	505,798
Other industries	110	1,089	8,157	6,572	12,455	2,945,603	8,307,187	20,478,597	572,968	42,578,758	21,527,193
ALLEGHENY COUNTY											
[The totals for all industries do not include data for a few establishments located outside the county (see footnote 10), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	1,959	25,010	155,374	947,853	451,061	*Dollars* 66,122,611	*Dollars* 243,281,167	*Dollars* 711,132,766	*Dollars* 100,822,632	*Dollars* 1,400,762,248	*Dollars* 588,806,850
Awnings, tents, sails, and canvas covers	19	50	109	96	48	71,515	98,705	374,190	5,481	681,971	302,300
Beverages	58	91	354	3,855	469	247,031	566,915	984,596	74,765	2,801,309	1,741,948
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills [10]	11	453	3,193	4,433	9,346	1,651,649	4,184,157	10,112,390	528,295	23,812,184	13,171,499
Bookbinding and blank-book making	12	19	112		89	58,054	134,076	49,616	2,986	350,861	298,259
Boxes, paper, not elsewhere classified	10	109	526	100	696	307,815	516,935	1,867,164	30,323	3,383,555	1,486,368
Boxes, wooden, except cigar boxes	4	15	147		956	33,074	164,238	410,850	15,180	769,123	343,093
Bread and other bakery products	358	506	6,025	3,499	6,459	1,157,602	7,859,933	18,744,784	687,241	42,430,548	22,998,523
Brooms [10]	7	5	29		47	10,860	31,918	76,504	2,033	145,766	67,229
Brushes, other than rubber	4	16	70		172	39,892	102,417	334,331	3,990	536,922	198,601

See footnotes at end of this section, p. 459

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS.—Profits and Production Costs.

[9] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
ALLEGHENY COUNTY—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Car and general construction and repairs, steam-railroad repair shops	21	764	8,854	18,001	10,131	1,975,724	15,737,615	21,039,668	492,750	39,254,321	17,721,903
Chemicals, not elsewhere classified	8	226	805	723	8,524	610,232	1,139,743	6,323,061	539,876	12,614,018	5,751,081
Cigars and cigarettes	22	34	618	----------	81	84,183	394,461	557,425	8,904	1,327,812	761,483
Clay products (other than pottery) and non-clay refractories	26	83	1,212	830	5,786	199,722	1,417,514	600,641	489,950	3,762,457	2,671,866
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	13	48	533	65	153	147,969	479,077	1,252,890	12,912	2,458,985	1,193,183
Coffee and spice, roasting and grinding [10]	20	117	142	----------	690	305,597	185,339	9,952,723	31,008	11,187,421	1,203,690
Concrete products	43	95	425	155	1,486	185,072	589,418	1,034,768	66,789	2,601,846	1,500,289
Confectionery [10]	23	233	1,777	1,476	2,052	630,396	1,607,252	6,315,699	93,088	11,894,850	5,486,063
Cooperage	6	15	76	----------	138	68,015	103,816	523,114	5,737	761,625	232,774
Drugists' preparations	8	50	116	----------	440	155,291	94,535	387,367	16,357	971,112	567,388
Electrical machinery, apparatus, and supplies	30	4,492	18,384	27,850	23,931	9,150,541	27,576,330	40,265,905	1,339,832	97,243,430	55,637,693
Electroplating [10]	8	16	91	----------	808	60,066	142,809	66,132	17,669	449,191	365,390
Food preparations, not elsewhere classified [10]	8	31	76	7	307	92,939	82,672	832,969	11,227	1,277,622	433,426
Forgings, iron and steel, not made in plants operated in connection with rolling mills	11	107	639	335	4,931	317,012	1,183,312	2,631,591	369,547	6,184,483	3,183,345
Foundry and machine-shop products, not elsewhere classified	128	2,654	11,019	3,367	70,408	7,805,835	18,072,191	31,051,181	1,780,896	79,400,027	46,567,950
Fur goods	10	38	88	----------	25	102,924	153,913	251,357	4,476	634,561	378,728
Furniture, including store and office fixtures [10]	17	72	511	----------	982	191,274	739,121	1,257,367	26,373	2,768,464	1,484,724
Glass	18	272	4,284	3,493	28,357	760,251	6,179,732	4,387,940	2,605,115	21,774,992	14,781,937
Hand stamps and stencils and brands	6	116	173	----------	445	301,090	244,480	283,243	12,712	1,308,475	1,012,520
Hats and caps, except felt and straw, men's	4	6	40	----------	14	6,100	68,377	135,819	1,427	254,974	117,728
House-furnishing goods, not elsewhere classified	9	20	99	----------	127	71,563	100,590	865,174	6,137	1,188,374	317,063
Ice cream	20	84	375	1,630	3,817	221,467	570,099	3,325,681	152,793	6,875,758	3,397,284
Ice, manufactured	29	121	408	4,126	12,712	336,193	656,754	105,719	325,270	3,570,543	3,139,554
Iron and steel: Steel works and rolling mills	42	4,705	49,701	[11]734,211	[11]133,021	13,720,146	84,873,593	255,718,428	24,621,083	444,003,402	163,663,891
Jewelry	10	30	132	12	98	86,143	208,049	224,995	5,134	627,550	397,421
Lubricating oils and greases, not made in petroleum refineries	10	34	147	1,598	77	123,121	186,844	1,383,180	12,361	2,179,180	783,639
Macaroni, spaghetti, vermicelli, and noodles	4	16	159	----------	775	33,601	120,798	622,164	17,925	977,464	337,375
Marble, granite, slate, and other stone products	25	52	237	----------	1,174	159,520	483,276	558,125	29,188	1,652,879	1,065,566
Mattresses and springs, not elsewhere classified	7	53	313	----------	956	156,500	386,970	903,918	19,112	1,755,739	832,709
Meat packing, wholesale [10]	26	401	1,705	3,307	2,180	1,073,780	2,620,412	29,451,290	217,772	36,206,379	6,537,317
Models and patterns, not including paper patterns	16	14	148	----------	312	34,286	291,553	142,492	7,858	653,885	503,535
Motor-vehicle bodies and motor-vehicle parts	16	66	600	33	2,925	184,961	807,425	1,167,784	109,686	3,006,867	1,729,397
Nonferrous-metal alloys and products, not including aluminum products	20	111	763	800	3,365	362,995	1,130,741	5,878,860	137,437	9,318,334	3,302,037
Patent or proprietary medicines and compounds [10]	20	64	137	610	306	165,771	131,944	530,171	21,928	1,562,100	1,010,001
Perfumes, cosmetics, and other toilet preparations	12	25	28	----------	12	61,685	23,399	97,360	800	285,464	187,304
Photo-engraving, not done in printing establishments	9	53	153	----------	84	165,793	391,296	93,682	8,969	878,809	776,158
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	66	242	590	555	6,506	704,864	1,115,355	3,017,517	72,287	5,845,694	2,755,890
Printing and publishing, book and job	176	474	1,713	222	2,249	1,276,262	2,689,033	2,834,983	99,931	9,903,325	6,968,411
Printing and publishing, newspaper and periodical	92	1,662	1,682	5	4,766	3,989,582	3,475,583	6,238,825	115,916	25,341,210	18,986,469
Screw-machine products and wood screws	5	16	105	90	410	34,861	115,349	190,260	18,118	583,332	374,954
Soap	6	13	64	18	241	25,818	80,080	306,534	13,919	613,280	292,827
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	9	67	771	----------	940	171,819	874,706	1,302,999	103,151	3,453,989	2,047,839
Steam fittings and steam and hot-water heating apparatus	7	181	894	975	1,306	477,141	1,561,345	1,569,361	145,642	5,086,095	3,371,092
Stereotyping and electrotyping, not done in printing establishments	4	16	35	----------	155	81,460	74,392	23,986	5,931	265,708	235,791
Stoves and ranges (other than electric) and warm-air furnaces [10]	15	211	623	50	1,388	459,728	973,700	2,735,944	50,121	6,964,819	4,178,754
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	43	1,077	3,308	6,254	17,705	2,973,097	5,161,877	16,189,484	375,780	31,650,767	15,085,503
Surgical and orthopedic appliances, including artificial limbs	6	11	42	----------	41	21,145	57,814	32,749	1,675	174,106	139,682
Tools, not including edge tools, machine tools, files, or saws	12	151	654	67	2,860	510,383	816,855	1,598,974	138,592	4,272,228	2,534,662
Other industries	345	4,358	29,588	125,113	73,657	11,836,983	43,689,848	212,528,815	64,735,041	419,978,630	142,714,774

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[10] The figures for the following numbers of establishments located outside the county have been included in the items for the county, to avoid disclosing the data reported by the establishments in question: Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills, 3; brooms, 1; coffee and spice, roasting and grinding, 1; confectionery, 2; electroplating, 1; food preparations, not elsewhere classified, 1; furniture, including store and office fixtures, 1; meat packing, wholesale, 1; patent or proprietary medicines and compounds, 1; stoves and ranges (other than electric) and warm-air furnaces, 3.

[11] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the data reported by individual establishments.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
BEAVER COUNTY											
All industries, total	208	3,582	28,438	213,709	135,346	*Dollars* 9,838,713	*Dollars* 47,765,802	*Dollars* 149,204,819	*Dollars* 20,495,825	*Dollars* 294,772,430	*Dollars* 125,071,786
Beverages	9	3	21	----------	76	2,861	35,509	94,692	4,451	249,447	150,304
Bread and other bakery products	25	8	161	----------	286	21,921	245,539	619,708	30,727	1,374,045	723,610
Clay products (other than pottery) and nonclay refractories	19	128	1,467	280	7,471	328,814	1,949,082	475,969	745,276	5,104,317	3,883,072
Concrete products	12	2	23	----------	99	(12)	24,989	53,013	2,190	115,935	60,732
Foundry and machine-shop products, not elsewhere classified	16	394	2,204	2,950	13,301	1,036,384	3,260,925	14,512,476	349,947	24,085,839	9,223,416
Ice cream	4	----------	7	----------	87	----------	12,738	55,104	5,128	109,575	49,343
Ice, manufactured	5	4	48	150	607	11,836	76,662	16,873	20,958	194,950	157,479
Iron and steel: Steel works and rolling mills	10	1,204	12,381	[13] 181,525	[13] 76,952	3,651,359	23,499,980	69,506,718	4,629,673	133,926,344	59,795,953
Planing-mill products (including general millwork) not made in planing mills connected with sawmills	9	25	94	440	490	58,648	158,174	207,744	7,520	546,263	330,999
Pottery, including porcelain ware	5	39	411	287	412	107,697	423,822	77,910	62,956	921,169	780,303
Printing and publishing, book and job	5	1	14	----------	24	(12)	19,750	21,204	1,660	69,078	46,214
Printing and publishing, newspaper and periodical	8	60	72	----------	177	135,222	149,098	85,356	7,740	580,478	487,382
Other industries	81	1,714	11,535	27,777	35,364	4,483,971	17,909,534	63,484,412	14,627,599	127,494,990	49,382,979

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[12] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[13] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the data reported by individual establishments.

BERKS COUNTY (SEE READING INDUSTRIAL AREA)

BLAIR COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Car and general construction and repairs, steam-railroad shops"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	147	1,751	18,047	51,566	10,405	*Dollars* 4,455,252	*Dollars* 26,745,990	*Dollars* 54,065,860	*Dollars* 2,142,073	*Dollars* 97,206,642	*Dollars* 40,998,709
BUCKS COUNTY											
All industries, total	186	1,070	9,453	15,868	14,735	*Dollars* 2,763,871	*Dollars* 10,766,202	*Dollars* 20,868,995	*Dollars* 962,030	*Dollars* 46,196,836	*Dollars* 24,365,811
Bread and other bakery products	14	3	74	----------	116	4,075	85,793	191,334	11,608	399,375	196,433
Butter	13	20	23	156	67	6,437	26,175	436,711	8,638	524,236	78,887
Cigars and cigarettes	7	19	422	----------	11	54,170	285,609	595,002	2,508	1,168,838	571,328
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	16	35	1,480	5	309	84,444	1,167,907	743,015	29,844	2,393,767	1,620,908
Concrete products	5	2	19	5	74	(14)	30,502	34,245	2,017	107,340	71,078
Flour and other grain-mill products	8	6	20	415	62	8,292	22,656	243,063	6,511	316,572	66,998
Ice, manufactured	4	9	8	120	316	14,240	13,647	3,760	15,261	111,350	92,329
Knit goods	12	61	1,314	----------	860	261,215	1,839,024	3,405,661	58,651	7,042,365	3,578,053
Meat packing, wholesale	5	----------	12	15	64	----------	16,479	160,475	3,878	198,902	34,549
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	3	6	24	125	47	11,227	36,696	63,598	2,426	133,126	67,102
Printing and publishing, book and job	5	----------	11	----------	23	----------	16,046	14,011	664	48,022	33,347
Printing and publishing, newspaper and periodical	10	45	74	----------	175	77,073	88,074	57,462	7,268	392,164	327,434
Silk and rayon manufactures	8	16	268	705	253	50,594	256,068	212,037	32,790	685,297	440,470
Other industries	76	848	5,704	14,322	12,358	2,192,104	6,881,526	14,708,621	779,966	32,675,482	17,186,895

[14] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
CAMBRIA COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	158	1,633	13,665	199,094	21,171	*Dollars* 4,045,946	*Dollars* 22,807,293	*Dollars* 67,596,783	*Dollars* 16,780,456	*Dollars* 130,428,843	*Dollars* 46,051,604
CHESTER COUNTY											
All industries, total	194	1,437	10,565	53,102	57,772	*Dollars* 3,714,324	*Dollars* 15,284,521	*Dollars* 42,000,588	*Dollars* 6,058,059	*Dollars* 79,688,534	*Dollars* 31,629,887
Beverages	6	3	14	---	40	5,870	18,725	40,548	1,345	114,409	72,516
Bread and other bakery products	18	3	70	---	134	6,770	90,167	201,895	17,555	412,636	193,086
Clothing, women's, not elsewhere classified	3	7	142	---	34	13,916	75,554	295,522	3,549	502,305	203,234
Concrete products	6	5	17	---	68	6,144	19,044	36,705	4,032	104,508	63,771
Dyeing and finishing textiles	4	45	132	1,062	1	100,195	133,854	125,362	18,878	420,240	276,000
Flour and other grain-mill products	9	1	17	457	---	(18)	17,902	274,754	2,084	344,853	68,015
Foundry and other machine-shop products, not elsewhere classified	15	259	1,014	840	7,742	677,797	1,549,341	3,275,251	131,066	6,987,331	3,581,014
Ice cream	5	---	5	16	95	---	6,497	33,182	3,307	71,101	34,612
Ice, manufactured	11	8	22	197	1,318	19,830	43,580	3,985	52,081	252,873	196,807
Iron and steel: Steel works and rolling mills	3	505	4,520	[16] 39,325	[16] 36,939	1,344,760	7,468,003	20,015,022	3,457,771	34,899,252	11,426,459
Knit goods	8	93	1,313	425	656	354,773	1,527,222	3,321,974	45,825	6,540,164	3,172,365
Paints and varnishes	3	9	7	---	35	16,248	6,342	83,288	1,043	132,162	47,831
Paper	9	48	531	5,883	1,052	169,914	810,598	2,358,491	367,063	4,835,173	2,109,619
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	4	21	68	---	313	44,808	94,639	134,893	7,475	333,144	190,776
Printing and publishing, hook and job	7	4	42	---	55	11,392	62,180	56,505	2,402	175,660	116,753
Printing and publishing, newspaper and periodical	11	59	82	---	211	97,943	118,334	68,730	9,466	500,798	422,602
Other industries	72	367	2,569	4,897	9,079	843,964	3,242,539	11,674,481	1,933,117	23,062,025	9,454,427

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[18] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."
[16] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the data reported by individual establishments.

DAUPHIN COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	286	2,340	19,622	79,512	35,272	*Dollars* 5,447,171	*Dollars* 25,323,687	*Dollars* 77,563,609	*Dollars* 9,026,475	*Dollars* 149,983,516	*Dollars* 63,393,432

DELAWARE COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Locomotives, not made in railroad repair shops," as measured by number of wage earners, and "Petroleum refining," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	231	4,384	30,799	73,580	160,896	*Dollars* 12,347,458	*Dollars* 44,646,709	*Dollars* 145,091,312	*Dollars* 5,534,494	*Dollars* 259,343,015	*Dollars* 108,717,209

ERIE COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Electrical machinery, apparatus, and supplies"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	366	4,330	23,022	46,358	65,310	*Dollars* 11,514,221	*Dollars* 33,567,730	*Dollars* 66,265,712	*Dollars* 4,998,899	*Dollars* 162,522,818	*Dollars* 91,258,207

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
LACKAWANNA COUNTY											
All industries, total	354	1,948	16,891	10,560	30,886	*Dollars* 4,910,020	*Dollars* 17,076,694	*Dollars* 34,784,163	*Dollars* 1,741,595	*Dollars* 74,808,489	*Dollars* 38,282,731
Beverages	22	23	89	150	398	49,633	117,195	254,771	27,849	681,291	398,671
Bread and other bakery products	58	67	640	5	1,039	137,667	692,127	2,040,234	98,528	4,304,652	2,165,890
Car and general construction and repairs, steam-railroad repair shops	7	169	1,771	1,205	452	426,658	2,806,452	3,813,486	107,584	7,154,180	3,233,110
Caskets, coffins, burial cases, and other morticians' goods	3	21	174		374	68,186	195,129	660,226	8,641	1,219,692	550,825
Clothing, work (including sheep-lined and blanket-lined work coats, but not including shirts), men's	3	8	240		56	25,923	160,561	513,113	4,013	844,241	327,115
Concrete products	6	7	13	50	86	7,913	13,309	30,734	2,975	69,405	35,696
Foundry and machine-shop products, not elsewhere classified	16	298	902	1,070	3,419	848,595	1,251,383	2,256,629	123,050	5,942,720	3,563,041
Ice cream	10	42	150	100	1,185	141,237	226,560	719,176	43,216	1,647,566	885,174
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	9	25	86	80	979	68,580	135,174	199,848	14,501	519,165	304,816
Printing and publishing, book and job	29	76	599		1,046	179,283	823,520	973,542	34,584	2,450,550	1,442,424
Printing and publishing, newspaper and periodical	19	368	256		819	677,670	569,001	507,048	39,021	3,031,873	2,485,804
Silk and rayon manufactures	59	234	7,063	5,156	12,166	582,655	4,923,336	13,281,143	593,670	23,356,668	9,181,855
Other industries	113	610	4,908	2,744	8,867	1,696,020	5,162,447	9,534,213	643,963	23,586,486	13,408,310
LANCASTER COUNTY											
All industries, total	495	3,387	23,300	10,016	66,849	*Dollars* 7,265,270	*Dollars* 25,913,361	*Dollars* 75,433,455	*Dollars* 2,277,517	*Dollars* 155,750,777	*Dollars* 78,039,805
Beverages	9	10	22		68	12,897	28,471	57,049	3,386	147,342	86,907
Boots and shoes, other than rubber	9	126	1,237	125	544	297,859	1,040,330	2,633,586	35,682	4,893,977	2,224,709
Boxes, cigar, wooden	4	3	65		48	5,330	33,110	53,636	1,564	100,861	45,661
Boxes, paper, not elsewhere classified	4	10	120		139	24,319	116,496	150,519	3,244	375,404	221,641
Bread and other bakery products	50	46	525	97	821	122,251	626,762	1,203,724	77,964	2,783,604	1,501,916
Chocolate and cocoa products, not including confectionery	4	40	347	380	2,987	120,142	393,738	3,632,444	84,736	4,968,771	1,251,591
Cigar and cigarettes	24	54	1,444		331	112,753	970,479	2,272,892	11,228	4,758,642	2,474,522
Clay products (other than pottery) and nonclay refractories	4	12	96	140	711	23,323	109,927	9,745	59,989	321,208	251,474
Clothing, women's, not elsewhere classified	6	28	565		123	76,367	318,989	365,029	10,043	938,364	563,292
Coffee and spice, roasting and grinding	4	15	25		92	42,887	30,558	634,988	3,885	941,580	302,707
Concrete products	7	11	53		213	20,956	55,859	84,725	5,239	267,459	177,495
Confectionery	20	72	712	1	1,262	153,841	530,865	1,388,438	43,279	2,692,857	1,261,140
Fertilizers	4	13	26	40	300	17,670	31,757	407,325	4,725	582,193	170,143
Flour and other grain-mill products	40	6	76	1,752	912	13,009	78,744	1,419,325	17,935	1,701,190	263,930
Food preparations, not elsewhere classified	4	11	23		38	17,002	31,602	216,520	4,112	345,857	123,225
Foundry and machine-shop products, not elsewhere classified	34	346	2,209	195	8,500	965,547	2,759,516	3,568,904	233,374	11,291,229	7,488,951
Furniture, including store and office fixtures	5	7	66		177	12,259	73,711	161,683	4,366	364,615	198,566
Hardware not elsewhere classified	9	151	902		1,491	343,081	989,593	852,092	46,532	3,461,896	2,563,272
Ice, manufactured	15	15	54	620	2,577	32,360	87,316	18,495	84,467	424,017	321,055
Knit goods	14	50	778	245	323	102,531	592,524	1,628,905	23,733	2,673,754	1,021,116
Marble, granite, slate, and other stone products	3		16		82		28,389	90,901	2,005	181,336	88,430
Meat packing, wholesale	10	11	71	145	480	42,681	102,736	1,148,302	16,342	1,434,132	269,488
Patent or proprietary medicines and compounds	3	9	5		235	12,364	5,582	18,676	1,550	60,873	40,647
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	16	56	251	190	2,369	140,341	348,369	769,825	23,626	1,495,949	702,498
Printing and publishing, book and job	19	50	268		362	100,365	382,227	217,949	14,474	1,002,546	770,123
Printing and publishing, newspaper and periodical	15	119	168		352	202,939	247,512	247,237	14,554	1,656,558	1,394,767
Shirts	18	18	767		125	24,305	423,102	69,695	12,822	692,519	610,002
Silk and rayon manufactures	18	218	4,016	1,680	3,307	669,448	5,020,444	19,870,008	206,421	39,542,078	19,465,649
Tobacco: Chewing and smoking, and snuff	4		16	2	76		13,811	132,462	4,469	199,101	62,170
Toys (not including children's wheel goods or sleds), games, and playground equipment	4	44	526		979	77,104	547,329	583,951	31,631	1,568,863	953,281
Wood turned and shaped and other wooden goods, not elsewhere classified	3	5	28		429	9,240	31,088	76,238	4,575	150,698	69,885
Other industries	112	1,831	7,823	4,404	36,396	3,470,099	9,862,425	31,448,187	1,185,565	63,731,304	31,097,552

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at bead of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
LAWRENCE COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	116	1,423	12,388	100,688	54,521	*Dollars* 3,850,577	*Dollars* 20,029,603	*Dollars* 53,770,127	*Dollars* 6,618,390	*Dollars* 106,265,682	*Dollars* 45,877,165
LEBANON COUNTY											
All industries, total	180	774	10,146	39,023	28,119	*Dollars* 1,766,826	*Dollars* 10,325,060	*Dollars* 24,305,967	*Dollars* 1,890,989	*Dollars* 48,152,065	*Dollars* 21,955,109
Beverages	3	5	9		29	10,042	8,973	28,934	1,215	87,074	56,925
Boots and shoes, other than rubber	6	45	954	554	127	118,705	867,033	2,208,781	25,390	4,024,813	1,790,642
Bread and other bakery products	27	14	297	20	384	29,548	311,255	644,547	44,190	1,392,359	703,622
Cigars and cigarettes	12	20	334		15	21,989	220,276	295,006	2,429	757,029	459,594
Flour and other grain-mill products	10	8	35	400	384	10,126	42,834	657,588	13,987	807,643	136,068
Foundry and machine-shop products, not elsewhere classified	13	43	296	12	1,048	98,115	334,893	349,338	44,523	1,033,184	639,323
Handkerchiefs	7	22	513		129	30,305	393,430	1,359,881	10,119	2,384,953	1,014,953
Ice, manufactured	4	2	16	335	159	(17)	24,045	4,474	19,465	94,649	70,710
Iron and steel: Steel works and rolling mills	3	314	2,908	37,570	4,280	755,584	3,920,774	5,376,877	906,211	13,680,246	7,397,158
Knit goods	7	21	703		370	45,940	635,094	3,411,303	25,189	4,628,112	1,191,620
Printing and publishing, book and job	6	11	74		160	35,396	83,206	117,892	4,478	330,096	207,726
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	5	8	46		152	21,740	48,492	1,406,000	4,754	1,670,245	259,491
Shirts	9	33	1,061		140	61,675	645,203	1,289,525	21,142	2,220,084	909,417
Silk and rayon manufactures	7	32	585		585	61,477	575,571	2,234,174	32,928	4,251,573	1,984,471
Other industries	61	196	2,315	132	19,957	466,184	2,214,001	4,921,647	734,969	10,790,005	5,133,389

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[17] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

LEHIGH COUNTY											
All industries, total	399	3,483	26,736	40,919	70,327	*Dollars* 9,062,080	*Dollars* 32,042,017	*Dollars* 89,612,760	*Dollars* 5,047,641	*Dollars* 175,284,153	*Dollars* 80,623,752
Beverages	13	37	96	1,590	223	62,963	159,082	313,015	33,984	1,017,259	670,260
Boots and shoes, other than rubber	6	15	158	90	264	34,418	132,427	252,462	7,591	520,915	260,862
Bread and other bakery products	51	51	610	16	729	149,440	854,727	1,904,534	100,524	4,020,643	2,015,585
Cement	6	203	1,437	19,945	24,130	610,974	2,246,394	1,242,301	2,665,132	12,111,326	8,203,803
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	3	3	16		8	5,422	9,207	28,789	338	55,975	26,848
Concrete products	7	25	196	4	289	88,356	126,140	87,743	8,470	358,171	261,958
Flour and other grain-mill products	10	17	49	755	66	40,439	60,104	1,226,405	6,961	1,502,823	269,457
Foundry and machine-shop products, not elsewhere classified	21	613	1,367	165	9,695	1,599,849	1,893,918	3,236,399	229,681	8,604,125	5,138,045
Ice cream	3	11	58		184	35,776	70,725	283,170	19,659	693,807	390,978
Ice, manufactured	7	12	41	1,200	138	26,697	73,326	23,495	40,415	289,096	225,186
Marble, granite, slate, and other stone products	15	42	433	990	1,708	94,617	436,813	312,150	55,099	1,174,606	807,357
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	8	28	132	650	537	63,926	218,164	227,544	15,615	674,633	431,474
Printing and publishing, book and job	19	24	185		149	58,655	244,593	262,290	9,416	790,052	518,346
Silk and rayon manufactures	73	505	8,961	1,733	8,171	1,385,299	10,139,980	22,721,174	510,345	45,030,613	21,799,094
Taxtile machinery and parts [18]	7	25	158		129	67,234	144,240	232,766	7,369	544,199	304,064
Other industries [19]	150	1,872	12,929	13,781	23,907	4,738,015	15,232,177	57,258,523	1,337,042	97,895,910	39,300,345

[18] The figures for this industry include data for 1 establishment located outside the county, to avoid disclosing the figures for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.
[19] See footnote 18.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
LUZERNE COUNTY											
All industries, total	415	2,600	25,377	20,174	34,361	*Dollars* 6,259,860	*Dollars* 24,439,300	*Dollars* 54,624,903	*Dollars* 2,042,008	*Dollars* 111,143,277	*Dollars* 54,476,366
Beverages	28	27	168	920	224	92,377	290,281	327,410	24,204	1,138,634	787,020
Bread and other bakery products	62	163	1,037	213	1,333	408,440	1,305,942	3,366,303	144,375	7,307,935	3,797,257
Car and general construction and repairs, steam-railroad repair shops	11	132	1,601	3,848	1,110	347,032	2,548,378	1,913,679	94,402	4,903,491	2,895,410
Clay products (other than pottery) and non-clay refractories [20]	6	14	107	186	1,239	33,626	117,908	13,884	52,873	251,790	185,033
Clothing, work (including sheep-lined work coats but not including shirts), men's	4	14	249	----------	53	29,899	169,213	389,045	4,773	710,971	317,153
Concrete products	7	8	17	----------	377	14,989	21,815	88,132	5,045	198,074	104,897
Feeds, prepared, for animals and fowls	5	9	21	45	247	11,740	26,905	254,245	3,276	309,338	51,817
Foundry and machine-shop products, not elsewhere classified	22	290	904	1,666	1,752	712,984	1,239,282	2,149,122	76,987	5,688,486	3,462,377
Ice cream	19	32	177	200	1,355	95,585	244,232	766,860	52,706	1,572,796	813,230
Lumber and timber products, not elsewhere classified	11	2	53	90	----------	[21]	52,133	70,793	1,920	255,352	182,639
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	11	34	122	310	763	62,423	163,616	199,934	15,312	520,801	305,555
Printing and publishing, book and job	25	40	199	----------	404	109,503	328,592	345,196	15,753	1,081,588	720,639
Printing and publishing, newspaper and periodical	22	243	272	6	677	570,630	591,593	472,359	44,769	2,687,557	2,170,429
Shirts	8	95	2,265	----------	317	248,173	1,295,194	3,455,996	27,344	6,062,637	2,579,297
Silk and rayon manufactures	54	491	10,559	5,518	13,663	1,012,625	8,490,912	21,924,807	723,876	39,660,770	17,012,087
Other industries [22]	120	1,006	7,626	7,172	10,847	2,509,834	7,553,304	18,947,138	754,393	38,793,057	19,091,526

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[20] The figures for this industry include data for 1 establishment located outside the county, to avoid disclosing the figures for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[21] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[22] See footnote 20.

LYCOMING COUNTY

All industries, total	180	1,735	12,065	17,506	23,139	*Dollars* 4,111,020	*Dollars* 15,123,311	*Dollars* 40,128,282	*Dollars* 1,309,330	*Dollars* 78,073,506	*Dollars* 36,635,894
Beverages	4	11	32	400	266	24,798	37,924	59,929	11,133	180,463	109,401
Bread and other bakery products	15	31	272	----------	487	77,788	315,002	804,478	44,071	1,683,242	834,693
Car and general construction and repairs, steam-railroad repair shops	7	35	383	35	299	88,826	648,880	542,916	30,061	1,310,683	737,706
Concrete products	4	8	18	----------	108	14,473	23,143	31,214	2,714	89,003	55,075
Foundry and machine-shop products, not elsewhere classified	10	181	933	994	1,392	426,352	1,295,924	1,327,743	111,111	4,603,816	3,164,962
Furniture, including store and office fixtures	17	156	1,272	3,325	741	363,962	1,380,562	2,048,298	84,656	4,739,082	2,606,128
Ice cream	6	10	39	103	309	15,546	49,376	190,241	11,431	343,126	141,454
Lime	3	4	29	----------	325	7,461	25,918	16,023	12,999	72,289	43,267
Paints and varnishes	3	6	13	250	80	16,992	21,486	78,358	2,569	158,559	77,632
Planing-mills products (including general mill-work), not made made in planing mills connected with sawmills	11	73	378	1,200	1,099	198,076	492,309	858,627	36,764	2,098,224	1,202,833
Printing and publishing, book and job	14	32	101	----------	134	97,987	153,093	197,802	8,747	566,148	359,599
Silk and rayon manufactures	13	118	1,659	900	1,316	200,559	1,831,776	7,980,172	97,425	12,917,102	4,839,505
Wood turned and shaped and other wooden goods, not elsewhere classified	3	9	33	275	21	16,200	27,694	30,487	1,882	99,595	67,226
Other industries [23]	70	1,061	6,843	10,024	16,562	2,562,000	8,820,224	25,961,994	853,767	49,212,174	22,396,413

[23] The figures for this item include data for the "Engines, turbines, tractors, and water wheels" industry, which reported a larger number of wage earners than any other industry in the county but for which separate figures can not be given without disclosing approximations of the data for individual establishments. The "Silk and rayon manufactures" industry outranks all others in respect of value of products.

MERCER COUNTY

[Because of the amount of manufacturing industry in this county, it had planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	139	1,794	13,233	96,150	107,468	*Dollars* 4,324,070	*Dollars* 21,587,349	*Dollars* 66,219,452	*Dollars* 9,011,607	*Dollars* 120,132,251	*Dollars* 44,901,192

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors (driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
MONTGOMERY COUNTY											
All industries, total	491	3,955	32,657	80,797	91,143	*Dollars* 11,317,934	*Dollars* 43,563,791	*Dollars* 103,344,303	*Dollars* 11,418,502	*Dollars* 219,089,734	*Dollars* 104,326,929
Beverages	7	28	103	675	60	81,605	177,298	285,884	21,075	982,765	675,806
Bread and other bakery products	44	108	504	----------	816	258,752	647,526	1,584,082	86,208	3,553,210	1,882,920
Butter	10	6	18	51	98	4,588	19,734	326,748	7,293	400,304	66,263
Car and general construction and repairs, electric-railroad repair shops	3	1	38	----------	28	[24]	35,775	22,145	273	60,233	37,815
Clay products (other than pottery) and nonclay refractories	10	65	592	295	2,113	170,180	781,659	1,416,203	250,119	2,955,453	1,289,131
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	19	73	1,736	110	349	251,762	1,360,685	1,572,638	42,614	3,859,544	2,244,292
Concrete products	12	42	109	120	334	64,616	166,722	262,975	20,994	688,748	404,779
Cotton goods	6	19	302	----------	352	73,563	321,991	795,403	19,352	1,486,644	671,889
Electrical machinery, apparatus, and supplies	7	73	311	----------	912	276,800	443,416	1,895,196	50,130	3,336,579	1,391,253
Flour and other grain-mill products	6	7	15	615	49	9,384	15,458	172,480	2,028	235,901	61,393
Foundry and machine-shop products, not elsewhere classified	33	283	2,032	605	7,234	857,149	2,859,495	2,395,438	276,964	8,982,355	6,309,953
Glass	3	30	282	110	284	91,300	301,027	317,010	104,987	944,381	522,384
Ice cream	5	9	25	----------	272	25,816	36,718	111,513	13,045	295,126	170,568
Ice, manufactured	10	15	56	1,020	1,879	49,961	92,032	24,886	87,608	484,949	372,455
Knit goods	33	217	3,914	465	1,896	668,797	4,345,669	8,144,646	143,808	17,867,036	9,578,582
Marble, granite, slate, and other stone products	7	5	31	103	231	11,940	61,875	54,792	4,812	194,601	134,997
Meat packing, wholesale	6	12	131	25	610	33,459	213,122	2,541,210	29,440	2,895,569	324,919
Paper	6	61	535	5,700	2,297	228,034	847,954	2,809,135	372,464	5,200,920	2,019,321
Paving materials: Asphalt, tar, crushed slag, and mixtures	3	13	36	695	720	39,020	68,317	25,130	19,558	227,734	183,046
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	19	69	292	610	1,664	183,470	498,476	549,287	33,526	1,500,581	917,768
Printing and publishing, book and job	15	8	61	----------	120	16,664	80,398	78,086	6,306	281,013	196,621
Printing and publishing, newspaper and periodical	23	163	178	8	490	296,677	282,198	196,353	26,332	1,263,979	1,041,294
Shirts	9	47	858	----------	174	120,676	609,580	532,612	14,828	1,581,160	1,033,720
Silk and rayon manufactures	14	60	890	400	577	142,576	831,524	2,993,106	49,824	4,733,238	1,690,308
Wirework, not elsewhere classified	3	14	118	65	120	37,114	147,973	136,677	4,154	421,751	280,920
Other industries	178	2,524	19,490	69,125	67,464	7,323,731	28,317,169	74,100,668	9,730,760	154,655,960	70,824,532

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[24] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

NORTHAMPTON COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Iron and steel: Steel works and rolling mills"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	306	3,306	31,747	375,218	82,119	*Dollars* 9,153,926	*Dollars* 44,448,249	*Dollars* 86,015,105	*Dollars* 24,490,502	*Dollars* 220,901,129	*Dollars* 110,395,522
NORTHUMBERLAND COUNTY											
All industries, total	159	1,003	10,358	11,352	22,141	*Dollars* 2,186,238	*Dollars* 11,269,498	*Dollars* 28,580,401	*Dollars* 1,422,434	*Dollars* 61,260,325	*Dollars* 31,257,490
Beverages	5	2	11	----------	36	[25]	14,020	29,093	1,475	74,706	44,138
Bread and other bakery products	18	26	239	8	498	62,042	293,372	720,591	41,683	1,871,987	809,713
Clay products (other than pottery) and nonclay refractories	4	18	223	----------	1,460	56,919	282,710	10,654	193,923	668,909	464,332
Flour and other grain-mill products	9	9	35	175	653	16,689	45,525	1,175,119	19,140	1,358,121	163,862
Gas, manufactured, illuminating and heating	4	35	78	273	76	43,835	99,595	105,764	43,598	438,811	289,449
Ice cream	8	15	57	12	636	23,794	83,177	249,531	34,606	664,204	380,067
Ice, manufactured	5	5	9	260	273	6,395	18,255	2,993	10,057	62,688	49,638
Knit goods	6	22	229	----------	104	43,433	117,033	150,900	6,573	355,310	197,837
Lumber and timber products, not elsewhere classified	4	7	60	33	----------	7,434	43,630	35,422	----------	108,820	73,398
Printing and publishing, book and job	5	6	19	----------	60	8,340	44,497	20,782	1,547	99,480	77,151
Printing and publishing, newspaper and periodical	9	70	98	----------	314	131,359	151,931	104,190	14,324	620,403	501,889
Shirts	7	19	791	----------	329	34,870	558,752	1,560,516	10,186	3,114,742	1,544,040
Silk and rayon manufactures	20	235	3,831	2,010	4,318	600,728	3,984,628	14,582,319	257,177	29,106,345	14,266,849
Other industries	55	534	4,678	8,581	13,384	1,150,400	5,532,373	9,832,527	788,145	23,015,799	12,395,127

[25] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
PHILADELPHIA COUNTY (COEXTENSIVE WITH PHILADELPHIA CITY)											
[The totals for all industries do not include data for establishments located outside the county (see footnote 26), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	5,567	45,708	246,908	264,830	387,491	*Dollars* 123,703,577	*Dollars* 338,910,496	*Dollars* 996,415,682	*Dollars* 29,214,527	*Dollars* 2,003,710,905	*Dollars* 978,080,696
Artificial and preserved flowers and plants	7	14	183	----------	32	42,057	135,861	232,852	3,426	556,919	320,641
Awnings, tents, sails, and canvas covers [26]	37	59	255	----------	120	131,760	321,060	1,142,264	9,982	2,005,566	853,320
Bags, paper, exclusive of those made in paper mills	8	96	371	----------	721	180,340	506,166	1,569,871	27,873	2,822,002	1,224,258
Baskets and rattan and willow ware, not including furniture	6	29	222	----------	75	86,566	229,298	477,075	8,907	1,028,835	542,853
Beverages	84	153	601	1,825	1,631	436,745	1,003,660	2,103,000	142,937	6,298,404	4,052,467
Boxes, paper, not elsewhere classified	64	404	2,823	228	2,680	1,138,010	2,590,059	5,373,550	109,690	11,825,031	6,341,791
Boxes, wooden, except cigar boxes	23	90	860	4,010	556	360,813	1,016,177	1,794,282	40,263	4,031,515	2,196,970
Bread and other bakery products	509	1,012	7,401	2,740	11,433	2,492,169	10,136,522	28,563,815	1,163,919	63,232,128	33,504,394
Buttons	8	39	461	352	377	95,016	468,745	684,909	30,038	1,748,645	1,033,698
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	21	98	648	336	1,140	264,390	590,679	6,486,900	79,143	9,041,507	2,475,464
Cardboard, not made in paper mills	3	107	258	580	69	421,820	343,622	1,011,348	19,382	2,488,822	1,458,092
Card cutting and designing	10	40	254	----------	377	148,276	283,160	346,651	6,669	1,068,635	715,315
Carriages and sleds, children's	4	35	184	100	156	93,919	228,842	495,770	15,598	900,770	389,402
Chemicals, not elsewhere classified	15	367	1,494	10,028	5,746	888,664	2,243,150	11,046,816	698,588	17,755,998	6,010,594
Chocolate and cocoa products, not including confectionery [26]	4	159	597	3,065	2,832	533,915	675,561	5,253,643	127,345	8,840,379	3,459,391
Cigars and cigarettes	53	422	8,142	1,293	2,624	1,421,018	6,920,512	20,510,065	180,209	51,308,418	30,618,144
Clay products (other than pottery) and nonclay refractories	13	72	668	1,240	858	288,913	878,237	198,292	288,151	2,221,665	1,735,222
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	295	937	10,743	----------	2,143	2,345,765	15,015,358	41,226,878	232,490	79,815,590	38,356,222
Clothing, men's, buttonholes	7	3	97	----------	15	3,640	98,406	16,955	1,285	165,854	147,614
Clothing, women's, not elsewhere classified	297	778	8,526	----------	1,495	1,757,249	9,436,020	29,919,152	157,238	55,536,468	25,460,078
Concrete products	8	24	87	75	679	62,877	126,431	158,811	14,774	487,702	314,117
Confectionery	99	437	3,447	1,361	4,384	1,321,714	3,149,849	9,260,121	268,744	19,611,302	10,082,437
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	59	322	971	320	1,178	818,280	1,464,287	2,818,507	52,595	6,821,932	3,950,830
Cotton goods	72	474	5,218	4,978	5,511	1,822,446	7,730,226	16,720,887	408,781	34,578,053	17,448,385
Cotton small wares [26]	24	160	2,059	2,736	1,091	600,467	2,001,222	3,165,396	122,604	8,148,653	4,860,653
Dental goods and equipment	11	112	1,133	8	436	336,665	1,109,740	1,312,999	65,606	3,611,938	2,233,333
Druggists' preparations [26]	20	381	1,448	1,200	1,646	1,116,285	1,530,993	4,195,783	86,816	12,242,193	7,959,594
Dyeing and finishing textiles	98	560	3,496	10,463	7,064	2,014,462	4,723,698	7,712,565	974,225	20,317,665	11,630,875
Electrical machinery, apparatus, and supplies	54	3,788	16,492	8,247	18,391	9,032,340	22,775,036	60,891,058	1,042,558	141,009,406	79,075,790
Electroplating [26]	19	32	126	150	247	75,839	196,609	60,425	16,883	501,107	423,799
Emery wheels and other abrasive and polishing appliances	6	165	557	1,200	831	399,889	753,333	923,006	107,537	3,687,515	2,656,972
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking [26]	10	2	39	----------	46	(27)	59,126	39,041	1,410	179,185	138,734
Envelopes	12	153	710	----------	579	439,639	643,846	1,478,657	25,482	3,473,252	1,969,113
Fancy and miscellaneous articles, not elsewhere classified [26]	48	155	1,309	----------	345	438,723	1,170,087	2,272,939	25,816	5,132,640	2,833,885
Feeds, prepared, for animals and fowls	5	15	21	70	185	36,257	32,562	752,839	8,842	902,320	140,639
Files	5	66	900	1,025	1,994	217,186	1,119,622	404,170	127,408	2,980,433	2,448,855
Flavoring extracts and flavoring sirups	22	127	222	483	362	366,678	257,044	1,356,312	38,195	4,445,201	3,050,694
Food preparations, not elsewhere classified	27	84	165	25	565	210,722	189,450	1,588,770	33,477	2,406,260	784,013
Forgings, iron and steel, not made in plants operated in connection with rolling mills	6	66	296	260	2,826	199,743	503,558	780,856	150,908	1,902,154	970,390
Foundry and machine-shop products, not elsewhere classified	221	2,982	10,101	6,272	23,921	8,165,999	16,943,698	22,110,705	1,058,238	71,048,427	47,879,484
Fur goods	113	102	337	----------	191	235,386	651,719	2,922,283	29,469	4,788,383	1,836,631
Furniture, including store and office fixtures	114	631	4,045	2,781	6,162	1,888,404	6,408,976	8,830,826	240,175	21,385,065	12,314,064
Gas machines, gas meters, and water and other liquid meters	4	73	330	185	125	210,271	491,004	978,996	21,725	2,242,316	1,241,595
Grease and tallow, not including lubricating greases	7	63	327	405	1,427	178,084	478,924	3,317,619	80,052	4,546,931	1,149,260
Hair work	6	3	26	----------	3	2,832	30,672	11,888	915	73,690	60,887
Hand stamps and stencils and brands	15	21	200	----------	231	74,476	256,657	208,306	13,932	809,922	587,684
House-furnishing goods, not elsewhere classified [26]	41	113	735	100	813	310,321	824,263	3,722,081	47,846	5,832,476	2,062,549
Ice cream	39	321	1,111	1,260	8,784	909,247	1,735,984	8,676,470	250,190	20,851,045	11,924,385
Ice, manufactured	39	114	494	3,600	22,701	448,073	826,839	142,489	662,777	5,342,896	4,537,630
Ink, printing [26]	13	113	236	25	1,618	407,943	410,667	1,110,653	56,115	3,443,104	2,276,336
Iron and steel: Steel works and rolling mills	7	390	2,713	16,172	29,110	1,095,874	4,379,044	2,818,767	1,283,517	12,808,018	8,705,734
Jewelry	52	118	449	----------	255	232,346	713,780	1,481,211	14,059	3,261,098	1,765,828
Jewelry and instrument cases	9	15	134	24	80	34,960	145,806	204,642	4,675	513,407	304,090
Knit goods	199	1,649	25,044	5,168	10,003	5,609,089	37,352,017	60,000,087	846,526	128,428,408	67,581,795
Lasts and related products	4	11	56	----------	208	37,311	79,210	41,805	10,697	215,944	163,442
Leather goods, not elsewhere classified [26]	17	36	171	15	59	83,972	190,035	376,635	6,499	853,476	470,342
Leather: Tanned, curried, and finished	25	302	4,803	9,653	3,457	1,482,092	6,463,531	30,396,593	399,630	44,015,458	13,249,235
Lubricating oils and greases, not made in petroleum refineries	13	331	173	525	855	863,341	266,675	1,675,249	35,271	5,562,731	3,852,211
Marble, granite, slate, and other stone products	32	86	611	504	2,391	200,610	1,040,932	1,408,166	64,488	3,335,116	1,862,462
Mattresses and bed springs, not elsewhere classified [26]	29	79	409	9	786	182,155	486,806	1,538,936	30,520	2,822,795	1,253,339
Meat packing, wholesale	31	298	1,542	1,945	1,679	869,189	2,347,018	40,016,254	240,663	47,860,101	7,573,184
Mirror and picture frames	6	3	21	----------	18	5,737	28,418	79,311	1,149	157,472	77,012
Mirrors, framed and unframed	14	22	154	30	334	59,912	255,076	710,432	23,581	1,391,268	657,252

See footnotes at end of this section, p. 467.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
PHILADELPHIA COUNTY—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Models and patterns, not including paper patterns	28	13	260	55	283	24,718	351,832	147,400	7,667	852,114	697,047
Mucilage, paste, and other adhesives, except glue and rubber cement [26]	7	19	25	28	45	46,399	29,571	178,372	3,391	346,277	164,614
Nonferrous-metal alloys and products, not including aluminum products	54	257	1,256	1,533	4,167	852,744	1,940,082	9,220,915	262,246	14,469,878	4,986,717
Paints and varnishes	55	715	1,355	6,694	2,208	1,889,507	2,024,891	17,177,737	238,577	26,395,880	8,979,566
Paper	5	200	1,335	12,045	3,058	397,375	1,796,369	5,053,509	654,385	9,732,191	4,024,297
Paper goods, not elsewhere classified	18	71	232	283	532	212,124	274,342	1,145,375	21,633	2,031,256	864,248
Patent or proprietary medicines and compounds	57	254	506	524	451	802,260	652,802	3,096,301	41,413	11,763,532	8,625,818
Perfumes, cosmetics, and other toilet preparations	22	117	162	----------	96	404,167	154,576	1,234,846	7,253	3,264,188	2,022,089
Photo-engraving, not done in printing establishments	20	251	713	----------	430	785,296	2,034,212	569,774	41,999	4,671,947	4,060,174
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	51	372	1,091	2,844	2,697	1,099,785	1,866,689	2,804,600	90,323	7,350,463	4,455,540
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	10	59	280	170	714	132,147	367,639	615,716	36,542	1,275,053	722,795
Printing and publishing, book and job	480	1,567	6,752	759	6,699	4,443,666	9,293,070	11,490,311	317,978	38,118,432	26,310,143
Printing and publishing, music	5	25	13	----------	33	52,112	16,721	15,438	1,921	293,990	276,631
Printing and publishing, newspaper and periodical	139	6,893	6,913	4,922	23,654	14,673,586	12,926,757	35,878,774	548,640	136,885,798	100,458,384
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	6	28	68	35	219	69,695	129,158	188,075	5,982	540,905	346,848
Saddlery and harness	5	3	30	----------	4	5,619	31,719	50,817	270	126,035	74,948
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	7	39	225	230	470	110,184	394,539	3,878,103	37,245	4,889,606	974,258
Scales and balances	3	8	89	26	45	26,473	135,939	95,843	3,076	318,067	219,148
Shirts	46	262	3,065	30	686	798,038	2,928,771	8,185,344	69,700	15,330,487	7,075,443
Signs and advertising novelties	41	74	276	----------	91	207,549	430,969	800,455	9,105	2,152,653	1,343,093
Silk and rayon manufactures	37	257	3,222	860	3,188	978,003	3,416,087	11,350,262	141,950	19,689,963	8,197,751
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	6	74	601	20	898	288,216	434,262	7,087,877	231,210	9,188,042	1,868,955
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	10	63	456	----------	830	184,727	578,513	869,464	29,986	1,873,384	973,934
Stationery goods, not elsewhere classified [26]	6	6	246	60	88	113,394	248,733	494,765	11,025	1,115,746	609,956
Statuary and art goods, factory product	12	33	211	36	405	91,828	344,371	201,308	9,794	858,048	646,946
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	14	83	325	197	770	276,817	432,201	985,648	36,297	2,259,069	1,237,124
Steam fittings and steam and hot-water heating apparatus	6	171	367	700	34	433,046	514,062	1,223,998	25,886	2,722,333	1,472,449
Stoves and ranges (other than electric) and warm-air furnaces	13	67	338	----------	236	154,079	595,963	1,091,616	14,911	2,428,291	1,321,764
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	31	177	937	80	2,150	457,303	1,453,363	3,390,816	59,941	6,551,726	3,100,969
Sugar refining, cane	3	271	1,715	17,208	----------	769,029	2,726,953	64,737,889	1,085,329	73,989,294	8,166,076
Toys (not including children's wheel goods or sleds), games, and playground equipment	13	51	403	324	306	147,625	354,041	529,825	18,429	1,304,754	756,500
Upholstering materials, not elsewhere classified	5	38	255	590	159	141,574	255,711	1,378,377	33,961	2,103,570	691,232
Waste	23	92	376	345	1,310	298,694	417,282	3,796,985	42,952	5,316,643	1,476,706
Window and door screens and weather strip	5	13	82	360	60	61,619	112,301	262,471	3,387	567,934	302,076
Wireworks, not elsewhere classified	20	24	150	----------	123	40,099	202,444	283,156	8,423	725,562	433,983
Woolen goods	41	237	2,765	5,575	4,148	983,081	3,843,073	13,827,929	284,146	22,302,297	8,190,222
Worsted goods	46	587	7,734	13,855	7,681	1,872,194	9,403,572	38,319,054	599,376	62,057,193	23,138,763
Other industries	1,111	12,364	65,821	87,724	120,523	33,283,789	90,619,762	278,393,230	11,864,724	522,504,774	232,246,820

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[26] The figures for the following numbers of establishments located outside the county have been included in the items for the county, to avoid disclosing the data reported by the establishments in question: Awnings, tents, sails, and canvas covers, 2; chocolate and cocoa products, not including confectionery, 1; cotton small wares, 2; druggists' preparations, 1; electroplating, 1; engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking, 1; fancy and miscellaneous articles, not elsewhere classified, 2; house-furnishing goods, not elsewhere classified, 2; ink, printing, 1; leather goods, not elsewhere classified, 1; mattresses and bed springs, not elsewhere classified, 1; mucilage, paste, and other adhesives, except glue and rubber cement, 1; stationery goods, not elsewhere classified, 1.

[27] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
SCHUYLKILL COUNTY											
All industries, total	264	926	12,110	22,542	16,366	*Dollars* 1,991,072	*Dollars* 11,040,938	*Dollars* 27,560,825	*Dollars* 1,383,272	*Dollars* 55,643,850	*Dollars* 26,699,753
Beverages	21	29	140	933	228	94,177	193,881	317,143	43,191	1,123,106	762,772
Boots and shoes, other than rubber	12	49	717	85	352	80,201	554,258	1,165,526	18,396	2,296,037	1,112,115
Boxes, paper, not elsewhere classified	4	10	86	.....	44	24,069	61,865	83,635	3,087	245,730	158,008
Bread and other bakery products	41	32	310	6	797	71,387	403,659	890,488	50,287	1,873,722	932,947
Flour and other grain-mill products	4	2	2	130	45	[25]	[25]	38,322	1,596	48,755	8,837
Foundry and machine-shop products, not elsewhere classified	5	76	335	575	2,574	188,895	409,050	919,099	54,508	1,780,763	807,156
Gas, manufactured, illuminating and heating	7	19	63	486	67	32,607	59,710	64,485	83,950	368,836	220,401
Ice cream	9	18	76	.....	377	30,220	85,114	456,210	19,308	1,117,219	641,701
Ice, manufactured	11	22	42	825	841	38,700	57,222	15,636	58,319	271,588	197,633
Knit goods	31	86	1,271	155	721	146,540	840,649	2,536,945	38,655	4,756,340	2,180,740
Meat packing, wholesale	6	51	187	971	201	112,982	261,538	2,488,530	25,834	3,026,087	511,723
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	8	10	37	220	197	16,919	48,956	59,299	3,995	162,521	99,227
Printing and publishing, book and job	5	4	13	.....	30	4,863	20,910	28,059	1,151	95,175	65,965
Printing and publishing, newspaper and periodical	15	91	139	.....	385	165,213	228,097	132,616	18,711	956,609	805,282
Shirts	23	56	2,693	.....	646	150,227	1,502,122	4,658,502	37,830	9,721,688	5,025,556
Silk and rayon manufactures	4	20	573	.....	1,121	65,208	456,971	1,383,411	64,944	2,251,620	803,265
Other industries	58	351	5,426	18,156	7,740	768,864	5,856,936	12,323,119	859,510	25,548,054	12,365,425

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[25] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

WASHINGTON COUNTY											
All industries, total	150	1,225	14,599	91,146	39,841	*Dollars* 3,113,125	*Dollars* 21,952,101	*Dollars* 64,578,276	*Dollars* 7,511,390	*Dollars* 119,089,666	*Dollars* 47,000,000
Beverages	13	5	37	50	101	9,320	49,324	145,788	5,605	329,275	177,882
Bread and other bakery products	32	10	132	.....	275	27,577	162,110	412,111	21,261	821,809	388,437
Clay products (other than pottery) and non-clay refractories	4	21	171	480	1,501	56,972	217,700	76,433	71,024	468,416	320,959
Concrete products	7	3	12	.....	102	3,700	14,373	28,154	1,721	73,156	43,281
Flour and other grain-mill products	6	5	12	235	417	10,468	13,610	133,576	5,156	182,767	44,035
Foundry and machine-shop products, not elsewhere classified	9	45	230	60	1,970	159,740	343,116	635,748	47,347	1,630,738	947,643
Glass	8	370	3,315	3,120	9,086	849,226	4,177,742	5,857,602	1,651,313	18,169,221	10,660,306
Ice cream	4	12	38	.....	435	22,735	67,668	174,302	25,311	437,455	237,842
Ice, manufactured	6	12	32	258	628	18,410	46,827	4,044	26,028	196,487	166,415
Iron and steel: Steel works and rolling mills	7	367	6,365	[29] 78,780	[29] 10,592	949,648	10,772,555	36,325,465	2,748,669	60,036,866	20,962,732
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	6	7	13	.....	235	7,956	24,459	27,536	2,427	70,613	40,650
Printing and publishing, book and job	4	2	18	.....	29	[25]	30,852	20,755	1,457	94,262	72,050
Printing and publishing, newspaper and periodical	11	63	96	.....	157	125,777	173,316	96,790	9,867	670,885	564,228
Other industries	33	303	4,128	8,163	14,313	871,596	5,858,449	20,639,972	2,894,204	35,907,716	12,373,540

[29] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the data reported by individual establishments.
[10] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

WESTMORELAND COUNTY											
All industries, total	270	3,233	28,810	120,725	82,646	*Dollars* 8,652,063	*Dollars* 44,076,418	*Dollars* 93,055,453	*Dollars* 11,937,205	*Dollars* 200,774,690	*Dollars* 95,782,032
Beverages	16	9	66	298	452	25,648	88,135	174,169	39,879	435,966	221,918
Bread and other bakery products	44	14	221	.....	483	37,062	318,597	829,675	37,257	1,586,938	720,006
Clay products (other than pottery) and non-clay refractories	9	62	419	550	2,203	180,275	495,462	319,782	164,285	1,745,435	1,261,368
Coke, not including gas-house coke	16	57	483	1,184	1,123	93,377	570,860	123,353	2,425,913	3,555,826	1,006,560
Concrete products	6	1	17	.....	111	[31]	21,167	38,570	1,313	99,480	59,597
Foundry and machine-shop products, not elsewhere classified	22	358	1,608	2,400	5,469	1,069,321	2,542,941	5,908,007	296,737	15,001,383	8,706,639
Ice cream	9	10	31	30	412	10,450	46,170	154,649	12,940	350,895	183,306
Ice, manufactured	9	14	61	154	1,571	27,406	95,514	17,120	62,517	301,190	221,543
Iron and steel: Steel works and rolling mills	12	881	11,945	[32]101,085	[32] 33,172	2,644,334	20,989,854	44,095,244	4,610,843	92,143,575	43,437,488
Lumber and timber products, not elsewhere classified	6	.....	12	147	.....	.....	11,073	16,108	160	52,974	36,706
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	12	18	52	.....	1,383	36,693	84,150	215,466	8,770	417,024	192,787
Printing and publishing, book and job	12	19	97	.....	131	61,966	120,152	155,243	5,019	440,352	280,090
Printing and publishing, newspaper and periodical	14	84	164	.....	388	182,586	269,937	186,473	17,357	1,010,400	806,570
Steam fittings and steam and hot-water heating apparatus	4	231	2,000	1,842	5,378	467,436	2,687,723	1,768,223	261,610	7,470,324	5,440,491
Other industries	79	1,475	11,574	13,035	30,370	3,815,509	15,734,683	38,963,361	3,992,605	76,162,929	33,206,963

[31] See footnote 30, above.
[32] See footnote 29, above.

TABLE 13.—GENERAL STATISTICS FOR INDUSTRIAL AREAS AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
YORK COUNTY											
All industries, total	586	3,149	30,331	29,986	68,390	*Dollars* 7,957,047	*Dollars* 29,933,656	*Dollars* 68,632,671	*Dollars* 3,171,247	*Dollars* 160,795,240	*Dollars* 88,991,322
Awnings, tents, sails, and canvas covers	3	----	11	----	3	----	8,020	20,591	89	45,443	24,763
Beverages	8	12	31	----	79	35,386	38,847	104,518	2,463	273,150	166,169
Boxes, cigar, wooden	12	26	743	577	656	64,766	562,271	1,136,548	21,284	2,478,557	1,320,725
Boxes, paper, not elsewhere classified	4	9	45	----	67	13,162	23,406	43,329	2,064	110,459	65,066
Bread and other bakery products	31	63	837	93	1,402	157,202	867,058	1,499,731	91,993	3,982,974	2,391,250
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	22	34	247	851	318	56,647	158,914	796,473	14,308	1,311,558	500,777
Cigars and cigarettes	141	177	6,854	5	608	318,277	4,838,590	8,606,551	50,713	18,989,622	10,332,358
Clothing, women's, not elsewhere classified	18	29	968	----	218	35,180	493,734	574,783	18,522	1,499,245	905,940
Concrete products	14	19	66	6	229	40,736	75,505	98,116	3,531	319,405	217,758
Confectionery	9	7	157	----	162	31,307	90,638	210,911	8,205	429,017	209,901
Feeds, prepared, for animals and fowls	4	16	125	20	1,182	35,910	159,914	5,114,773	23,361	5,776,311	638,177
Flour and other grain-mill products	17	10	42	369	928	25,150	54,566	1,081,813	19,686	1,417,214	315,715
Food preparations, not elsewhere classified	5	7	43	----	68	20,214	29,475	162,107	13,463	281,508	105,938
Foundry and machine-shop products, not elsewhere classified	26	656	3,702	1,045	18,278	1,478,917	4,404,849	5,411,420	318,944	24,688,502	18,958,138
Furniture, including store and office fixtures	24	165	1,669	2,583	4,340	401,899	1,826,193	3,448,709	137,918	7,555,293	3,968,666
Ice cream	14	42	120	105	682	103,688	161,939	544,021	33,712	1,376,069	798,336
Ice, manufactured	8	17	51	225	1,334	44,063	73,712	6,520	50,630	319,709	262,559
Knit goods	7	53	916	465	596	122,358	1,023,206	2,278,765	29,057	4,985,806	2,677,984
Motor-vehicle bodies and motor-vehicle parts	8	120	993	975	2,388	280,940	1,236,170	1,781,333	104,982	4,326,211	2,439,896
Paper	8	72	706	[33] 11,172	[33] 8,845	251,664	845,032	4,239,466	566,798	6,957,517	2,151,253
Photo-engraving, not done in printing establishments	3	4	22	----	13	4,400	32,130	16,806	1,413	84,335	66,116
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	15	60	220	455	1,321	148,556	291,164	632,908	29,720	1,251,757	589,129
Printing and publishing, book and job	16	55	361	----	426	203,055	445,165	234,126	14,854	1,231,246	982,266
Printing and publishing, newspaper and periodical	8	114	205	----	373	229,907	226,912	255,798	17,261	1,239,807	966,748
Shirts	15	43	753	----	172	97,436	379,551	641,391	8,752	1,388,608	738,465
Silk and rayon manufactures	15	44	1,295	75	1,559	125,293	1,429,956	3,688,172	63,259	6,869,341	3,117,910
Wall paper	5	75	589	835	212	331,555	745,894	1,422,658	53,892	3,136,427	1,659,877
Wirework, not elsewhere classified	10	277	2,062	645	6,742	540,424	2,278,077	8,125,369	326,673	19,087,905	10,635,863
Other industries	116	943	6,498	9,485	15,189	2,758,955	7,132,768	16,454,965	1,143,700	39,382,244	21,783,579

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[33] Includes item for "Pulp" industry. All figures for that industry except those for power are included in the "Other industries" item to avoid disclosing the data reported by individual establishments.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
ALLENTOWN											
All industries, total	254	2,087	17,508	15,214	27,080	$5,394,575	$20,996,175	$68,073,493	$1,449,543	$122,264,393	$52,741,357
Beverages	9	25	75	1,470	144	39,174	126,050	228,174	31,076	766,374	507,124
Bread and other bakery products	35	38	473	10	548	90,832	636,950	1,361,200	76,665	3,014,226	1,576,361
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	3	3	16	-------	8	5,422	9,207	28,789	338	55,975	26,848
Concrete products	4	23	93	-------	217	81,956	112,574	72,220	6,448	312,585	233,917
Ice cream	3	11	58	-------	184	35,776	70,725	283,170	19,659	693,807	390,978
Ice, manufactured	3	7	18	760	53	18,889	36,378	19,429	29,405	189,047	140,213
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	5	19	71	250	537	46,717	118,011	78,896	11,028	346,211	256,287
Printing and publishing, book and job	19	24	185	-------	149	58,655	244,593	262,290	9,416	790,052	518,346
Silk and rayon manufactures	42	317	5,443	793	4,624	924,461	6,622,083	13,546,340	305,172	28,194,733	14,343,221
Other industries	131	1,620	11,076	11,931	20,616	4,092,693	13,019,604	52,192,985	960,336	87,901,383	34,748,062
ERIE											
All industries, total	277	2,800	15,384	28,799	47,804	$7,752,286	$23,414,973	$43,575,867	$4,161,360	$103,979,806	$56,242,579
Awnings, tents, sails, and canvas covers	3	-------	10	-------	5	----------	6,312	16,525	148	29,500	12,827
Bread and other bakery products	39	29	363	-------	624	71,481	507,347	1,061,028	55,484	2,220,802	1,104,290
Compressed and liquefied gases	3	8	12	-------	733	13,953	18,670	5,427	21,937	126,279	98,915
Concrete products	6	13	36	-------	179	27,047	48,985	103,524	3,444	228,545	121,577
Foundry and machine-shop products, not elsewhere classified [1]	37	666	3,868	4,132	15,035	2,251,363	6,314,974	8,770,914	583,625	23,747,207	14,392,668
Ice cream	7	14	68	820	269	32,051	76,088	336,657	23,676	860,132	499,799
Ice, manufactured [1]	4	11	26	208	1,684	31,900	45,567	16,943	29,767	190,809	144,099
Marble, granite, slate, and other stone products	4	1	10	-------	68	(2)	21,394	46,992	1,389	105,737	58,356
Models and patterns, not including paper patterns	6	3	35	-------	122	5,551	68,521	27,320	1,570	152,027	123,137
Printing and publishing, book and job [1]	20	44	175	40	241	106,015	216,392	185,807	10,235	716,389	520,347
Printing and publishing, newspaper and periodical	5	219	105	-------	366	345,703	291,283	367,700	9,961	1,540,274	1,162,613
Stoves and ranges (other than electric) and warm-air furnaces	5	103	713	225	2,554	351,453	1,051,707	1,151,478	86,589	3,157,247	1,919,180
Other industries [3]	138	1,689	9,963	23,374	25,924	4,515,769	14,747,733	31,485,552	3,333,535	70,903,858	36,084,771

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for the "Foundry and machine-shop products, not elsewhere classified" industry include data for 1 establishment located outside the city, those for the "Ice, manufactured" industry include data for 1 establishment located outside the city, and those for the "Printing and publishing, book and job" industry include data for 2 establishments located outside the city, to avoid disclosing approximations of the data for the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.

[2] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

[3] See footnote 1.

PHILADELPHIA (SEE PHILADELPHIA COUNTY)

PITTSBURGH

[The totals for all industries do not include data for a few establishments located outside the city (see footnote 5), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	1,370	11,553	61,503	233,326	160,739	$31,642,580	$90,955,072	$268,175,982	$22,793,755	$544,784,634	$253,814,897
Awnings, tents, sails, and canvas covers	16	50	97	96	43	71,515	89,659	358,147	5,318	642,377	278,912
Beverages	33	60	249	3,695	295	156,955	405,235	663,167	55,094	1,844,973	1,126,712
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	5	329	2,380	4,233	3,062	1,155,680	3,057,732	6,218,454	333,361	16,306,021	9,754,206
Bookbinding and blank-book making	12	19	112	-------	89	58,054	134,076	49,616	2,986	350,861	298,259
Boxes, paper, not elsewhere classified	10	109	526	100	696	307,818	516,935	1,867,164	30,323	3,383,855	1,486,368
Bread and other bakery products	224	414	5,135	3,474	4,456	964,146	6,607,525	15,542,951	544,504	36,278,153	20,190,698
Brooms	3	2	17	-------	14	(4)	16,332	40,562	906	71,824	30,356
Brushes, other than rubber	4	16	70	-------	172	39,898	102,417	334,331	3,990	536,922	198,601
Chemicals, not elsewhere classified	4	124	261	373	1,248	335,024	318,199	422,073	53,207	1,683,694	1,208,414
Clay products (other than pottery) and nonclay refractories	14	37	367	150	2,838	99,243	424,722	98,862	153,343	885,376	633,171
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified [4]	13	48	533	65	153	147,969	479,077	1,252,890	12,912	2,458,985	1,193,183
Concrete products	14	25	111	20	497	44,874	164,108	312,204	25,881	764,592	426,507
Confectionery	19	226	1,656	1,476	1,830	604,717	1,480,338	5,865,851	82,388	11,115,599	5,167,360
Druggists' preparations [5]	8	50	116	-------	440	155,291	94,535	387,367	16,357	971,112	567,388
Food preparations, not elsewhere classified [5]	8	31	76	7	307	92,939	82,672	832,969	11,227	1,277,622	433,426
Forgings, iron and steel, not made in plants operated in connection with rolling mills	3	11	29	-------	176	32,762	48,927	75,612	10,189	211,521	125,720
Foundry and machine-shop products, not elsewhere classified	98	1,252	4,689	2,217	27,651	4,005,517	8,246,230	13,464,597	742,151	34,941,603	20,734,855
Fur goods	10	38	88	-------	25	102,924	153,913	251,357	4,476	634,561	378,728

See footnotes at end of this section, p. 471.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
PITTSBURGH—Continued											
Hats and caps, except felt and straw, men's	4	6	40	-------	14	$6,100	$68,377	$135,819	$1,427	$254,974	$117,728
Ice cream	12	75	312	1,425	3,174	198,847	480,091	2,690,394	116,891	5,485,226	2,677,941
Ice, manufactured	11	84	208	1,830	9,885	226,095	479,042	60,151	298,963	2,677,222	2,409,008
Iron and steel: Steel works and rolling mills	13	1,133	10,644	[6]180,946	[6]35,635	3,186,366	18,949,052	53,375,063	5,362,515	95,668,772	36,931,194
Jewelry	10	30	132	12	98	86,143	208,049	224,995	5,134	627,550	397,421
Lubricating oils and greases, not made in petroleum refineries	7	29	137	1,598	77	102,121	175,237	1,312,974	11,791	2,032,397	707,632
Marble, granite, slate, and other stone products	17	45	186	-------	977	126,000	373,953	420,934	25,448	1,322,005	875,623
Mattresses and bed springs, not elsewhere classified	7	53	312	-------	956	156,500	386,970	903,918	19,112	1,755,739	832,709
Meat packing, wholesale	21	317	1,397	2,754	1,215	779,828	2,130,627	23,098,916	176,252	28,558,703	5,283,535
Models and patterns, not including paper patterns	16	14	148	-------	312	34,286	291,553	142,492	7,858	653,885	503,535
Motor-vehicle bodies and motor-vehicle parts	11	40	140	25	681	126,626	247,587	565,822	13,704	1,149,477	569,951
Patent or proprietary medicines and compounds	13	40	33	-------	80	98,052	39,516	162,682	3,289	471,114	305,143
Perfumes, cosmetics, and other toilet preparations	12	25	28	-------	12	61,685	23,399	97,360	800	285,464	187,304
Photo-engraving, not done in printing establishments [5]	9	53	153	-------	84	165,793	391,296	93,682	8,969	878,809	776,158
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	31	143	325	340	3,919	435,373	614,765	1,544,510	42,090	3,119,733	1,533,133
Printing and publishing, book and job	156	465	1,654	222	2,146	1,247,241	2,600,376	2,746,020	94,604	9,562,724	6,722,100
Printing and publishing, newspaper and periodical	69	1,539	1,459	-------	4,137	3,715,205	3,055,548	5,931,200	91,898	23,746,437	17,723,339
Screw-machine products and wood screws	5	16	165	90	410	34,861	115,349	190,260	18,118	583,332	374,954
Soap [4]	6	13	64	18	241	25,818	80,080	306,534	13,919	613,280	292,827
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	5	24	95	-------	276	72,779	108,159	360,851	12,331	748,730	375,548
Stereotyping and electrotyping, not done in printing establishments	4	16	35	-------	155	81,460	74,392	23,986	5,931	265,708	235,791
Stoves and ranges (other than electric) and warm-air furnaces											
Structural and ornamental iron and steel work, not made in palnts operated in connection with rolling mills	29	252	830	1,364	2,265	753,822	1,396,792	4,096,755	89,143	7,792,312	3,606,414
Surgical and orthopedic appliances, including artificial limbs	6	11	42	-------	41	21,145	57,814	32,749	1,575	174,106	139,682
Other industries	403	4,295	26,435	26,796	50,000	11,541,863	36,199,455	121,645,171	14,377,923	242,168,883	106,085,789

[a] See General Explanations—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[5] The figures for each of the industries covered by this footnote include data for 1 establishment located outside Pittsburgh, to avoid disclosing the figures reported by the establishments in question.

[6] Includes item for "Iron and steel: Blast furnaces" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the data reported by individual establishments.

READING

[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 8 and 9) and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	323	2,579	25,970	35,915	53,521	$6,748,047	$31,752,207	$53,065,326	$4,133,737	$120,919,422	$63,720,359
Beverages	6	4	24	-------	48	7,036	34,243	65,711	2,442	169,177	101,024
Boxes, paper, not elsewhere classified	8	18	217	-------	153	55,626	198,188	244,322	8,256	675,990	423,412
Bread and other bakery products	47	76	675	-------	761	193,047	883,701	1,470,719	123,731	3,608,772	2,014,322
Cigars and cigarettes	9	22	797	-------	236	62,407	634,762	1,403,031	14,381	3,066,999	1,649,587
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	1	14	-------	32	(7)	16,199	17,947	1,682	48,163	28,534
Dyeing and finishing textiles	4	27	120	600	339	103,827	167,197	123,899	42,963	718,491	551,629
Foundry and machine-shop products, not elsewhere classified	22	125	678	600	3,665	312,891	956,360	1,366,902	121,091	3,474,484	1,986,491
Gas and electric fixtures; lamps, lanterns, and reflectors	3	10	33	-------	40	19,733	41,546	21,864	1,708	74,106	50,534
Ice, manufactured [8]	6	11	77	687	3,225	29,873	125,367	21,022	92,343	505,482	392,117
Jewelry	3	5	20	-------	13	9,298	20,760	22,000	908	73,573	50,575
Knit goods	36	395	7,698	2,232	2,367	1,245,822	8,149,723	11,415,047	223,055	27,065,116	15,427,014
Meat packing, wholesale [9]	4	50	186	185	569	156,402	263,884	4,901,414	24,875	5,752,508	826,219
Nonferrous-metal alloys and products, not including aluminum products	8	39	197	-------	278	121,785	271,864	920,227	30,972	1,505,807	554,608
Photo-engraving, not done in printing establishments	3	7	24	-------	59	15,146	63,490	14,134	3,035	125,533	108,364
Printing and publishing, book and job	16	38	119	-------	238	75,087	203,271	169,464	10,525	653,070	473,081
Printing and publishing, newspaper and periodical	7	181	189	-------	453	349,671	513,773	396,853	22,255	2,137,895	1,718,787
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	4	16	90	-------	327	47,873	121,840	158,124	27,559	421,563	235,880
Other industries	137	1,555	14,818	31,728	40,796	3,944,123	19,143,886	30,353,149	3,386,220	70,888,680	37,149,311

[7] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

The figures for a few establishments located outside Reading have been included with those for the city, as specified in footnotes 8 and 9, to avoid disclosing the data reported by the establishments in question.

[8] Includes data for 2 establishments located outside Reading.

[9] Includes data for 1 establishment located outside Reading.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
SCRANTON											
All industries, total	251	1,494	11,677	6,690	21,023	$3,746,974	$12,377,804	$30,610,942	$1,235,481	$61,053,837	$29,207,414
Beverages	12	23	71	150	307	49,633	96,880	200,501	24,509	559,488	334,478
Bread and other bakery products	38	64	559	-------	960	134,651	591,769	1,780,451	80,965	3,812,702	1,951,286
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	3	8	240	-------	56	25,923	160,561	513,113	4,013	844,241	327,115
Concrete products	6	7	13	50	86	7,913	13,809	30,734	2,975	69,405	35,696
Foundry and machine-shop products, not elsewhere classified	11	114	401	225	2,245	366,485	569,425	1,038,075	32,133	2,276,814	1,206,606
Ice cream	7	31	126	100	956	106,857	189,456	620,889	37,894	1,388,705	729,922
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	5	23	79	80	823	65,480	123,460	181,395	13,158	476,738	282,185
Printing and publishing, book and job	26	75	593	-------	1,039	178,503	816,667	965,562	33,783	2,425,471	1,426,126
Printing and publishing, newspaper and periodical	13	349	229	-------	737	642,286	527,126	487,010	33,015	2,559,934	2,339,909
Silk and rayon manufactures	30	123	3,864	3,109	5,609	278,929	2,924,725	12,298,176	323,918	18,763,301	6,141,207
Other industries	100	677	5,502	2,976	8,205	1,890,314	6,363,926	12,495,036	649,118	27,577,038	14,432,884

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

RHODE ISLAND

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	1,701	126,068	463,822	200,731	263,091	$144,196,934	$342,290,071	$328,399,079	$13,890,992	$666,368,210	$324,078,139
1927	1,497	120,009	410,181	210,943	199,238	138,895,884	313,107,075	297,336,623	15,770,452	592,232,647	279,125,572
1925	1,595	120,346	395,754	208,126	187,628	138,125,781	345,221,110	(4)	(4)	621,919,637	276,698,527
1923	1,691	134,667	391,928	227,040	164,888	152,499,859	358,580,772	(4)	(4)	675,425,020	316,844,248
1921	1,759	112,745	(5)	(5)	(5)	119,414,065	277,692,752	(4)	(4)	517,118,172	239,425,420
1919	2,466	139,665	319,688	221,731	97,957	137,495,377	415,989,203	402,205,892	13,783,311	747,322,858	331,333,655
1914	2,190	113,425	266,884	235,312	31,572	59,366,292	162,425,219	156,543,080	5,882,139	279,545,873	117,120,654
1909	1,951	113,538	223,746	210,049	13,697	55,234,068	158,191,574	153,082,798	5,108,776	280,343,797	122,152,223
1904	1,617	97,318	177,375	171,560	5,815	43,112,637	112,872,261	109,134,896	3,737,365	202,109,583	89,237,322
1899	1,678	88,197	149,897	146,928	2,969	35,995,101	87,951,780	(6)	(6)	165,550,382	77,598,602
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	13.6	5.0	13.1	−4.8	32.0	3.8	9.3	10.4	−11.9	12.5	16.1
1925–1927	−6.1	−0.3	3.6	1.4	6.2	0.6	−9.3			−4.8	0.9
1923–1925	−5.7	−10.6	1.0	−8.3	13.8	−9.4	−3.7			−7.9	−12.7
1921–1923	−3.9	19.4				27.7	29.1			30.6	32.3
1919–1921	−28.7	−19.3				−13.2	−33.2			−30.8	−27.7
1919–1929	−31.0	−9.7	45.1	−9.5	168.6	4.9	−17.7	−18.4	0.8	−10.8	−2.2
1909–1919	26.4	23.0	42.9	5.6	615.2	148.9	163.0	162.7	169.8	166.6	171.2
1899–1909	16.3	28.7	49.3	43.0	361.3	53.4	79.9			69.3	57.4

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR THE PROVIDENCE-FALL RIVER-NEW BEDFORD INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	687,497	1,701	126,068	463,822	$144,196,934	$342,290,071	$328,399,079	$13,890,992	$666,368,210	$324,078,139
Providence-Fall River-New Bedford Industrial Area,[3] total	904,606	2,289	184,895	738,958	203,018,932	461,574,885	441,018,808	20,556,077	898,409,509	436,834,624
Portion in Rhode Island	540,016	1,495	108,275	379,257	125,649,622	293,594,348	281,708,025	11,886,323	578,723,645	285,129,297
Portion in Massachusetts	364,590	794	76,620	359,701	77,369,310	167,980,537	159,310,783	8,669,754	319,685,864	151,705,327
Counties in Rhode Island										
Bristol	25,089	38	5,741	20,190	5,761,249	14,795,155	14,221,954	573,201	28,406,788	13,611,633
Kent	51,390	76	7,305	45,008	7,319,846	22,344,157	21,511,338	832,819	37,769,160	15,425,003
Newport	41,668	38	1,208	5,693	1,279,220	3,503,559	3,344,341	159,218	5,925,418	2,421,859
Providence [3]	540,016	1,495	108,275	379,257	125,649,622	293,594,348	281,708,025	11,886,323	578,723,645	285,129,297
Washington	29,334	54	3,539	13,674	4,186,997	8,052,852	7,613,421	439,431	15,543,199	7,490,347
Cities in Rhode Island having 10,000 inhabitants or more [4]										
Bristol	11,953	18	3,274	9,937	3,545,420	9,176,272	8,901,190	275,082	18,768,015	9,591,743
Central Falls	25,898	61	4,623	7,913	5,686,200	12,156,296	11,742,763	413,533	25,056,520	12,900,224
Cranston	42,911	38	3,841	12,367	4,997,431	9,091,928	8,564,407	527,521	20,999,396	11,907,468
East Providence	29,995	14	1,290	5,846	1,731,208	7,735,504	7,502,192	233,312	13,288,213	5,552,709
Newport	27,612	33	754	1,620	950,319	2,761,980	2,644,434	117,546	4,626,447	1,864,467
Pawtucket	77,149	219	20,715	104,803	23,174,516	58,438,284	56,173,468	2,264,816	110,295,569	51,857,285
Providence [3]	252,981	935	48,322	115,650	56,851,906	109,716,140	105,042,333	4,673,807	241,793,973	132,077,833
Westerly	10,997	22	1,461	6,375	1,892,599	3,337,437	3,087,650	249,787	6,667,535	3,330,098
West Warwick	17,696	21	3,482	27,972	3,136,044	10,689,735	10,378,530	311,205	15,869,131	5,179,396
Woonsocket	49,376	124	13,366	52,340	15,255,726	47,560,580	46,100,209	1,460,371	81,073,667	33,513,087

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Providence-Fall River-New Bedford industrial area comprises Providence County, R. I., and Bristol County, Mass. For statistics by industries for the area and for Providence County, see Table 13.
[4] Not including Cumberland, Lincoln, North Providence, and Warwick, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from separate publication to avoid disclosing approximations of the data for individual establishments.
[5] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	141,074	91,032	50,042	958	906	52	[2] 1,631	[2] 1,545	[2] 86	[2] 12,417	[2] 8,232	[2] 4,185	126,068	[3] 80,349	[3] 45,719
1919 [1, 4]	156,012	101,289	54,723	2,124	2,028	96	1,386	1,333	53	12,837	8,194	4,643	139,665	89,734	49,931
1914 [4]	124,109	83,539	40,570	1,883	1,780	103	947	925	22	7,854	5,705	2,149	113,425	75,129	38,296
1909	122,641	81,843	40,798	1,721	1,606	115	907	885	22	6,475	4,803	1,672	113,538	74,549	38,989

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 90; male, 89; female, 1. Other salaried officers and employees—total, 723; male, 347; female, 376. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Percent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	126,068	125,404	127,450	128,230	128,659	127,218	125,246	123,917	125,168	126,197	**129,362**	125,831	*120,134*	92.9
1919 [1]	139,665	131,724	*126,903*	128,044	133,559	136,656	138,544	142,223	143,452	145,556	147,108	150,175	**152,036**	83.5
1914 [1]	113,425	116,501	116,597	**116,685**	116,349	115,661	114,119	111,600	110,936	112,035	112,300	110,056	*108,261*	92.8
1909 [1]	113,538	*108,773*	109,615	111,924	111,320	111,952	112,055	111,571	112,835	116,116	118,007	119,104	**119,191**	91.3

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total, according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,701	126,068	45 and over but under 48	100	6,543
			48	446	42,287
Not reported	66	221	Over 48 but under 54	466	36,824
Under 40	28	313	54	192	26,014
40	30	794	Over 54 but under 60	105	7,510
Over 40 but under 44	23	642	60 and over	42	1,218
44 and over but under 45	203	3,702			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,701	2,466	1,951	126,068	139,665	113,538	51 to 100	152	155	143	10,804	11,144	10,141
							101 to 250	138	150	121	22,030	24,184	19,538
No wage earners	30	280	158				251 to 500	77	74	74	26,717	25,314	25,828
1 to 5	563	1,027	744	1,720	2,296	1,922	501 to 1,000	31	32	28	20,049	22,524	18,883
6 to 20	437	497	452	4,815	5,581	5,124	1,001 to 2,500	18	21	15	[1] 31,825	41,061	24,891
21 to 50	253	230	216	8,108	7,561	7,211	2,501 and over	2					

[1] Combined to avoid disclosing the numbers of wage earners reported by individual establishments.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,701	2,466	1,951	126,068	139,665	113,538	$666,368,210	$747,322,858	$280,343,797	$324,078,139	$331,333,655	$122,152,223
Less than $5,000	(2)	511	477	(2)	356	707	(2)	1,403,077	1,166,084	(2)	915,188	795,432
$5,000 to $19,999	416	680	579	1,230	2,001	3,244	4,700,842	7,412,005	5,891,800	2,079,876	4,192,031	3,510,241
$20,000 to $99,999	583	616	459	6,170	7,162	10,742	27,334,318	28,541,424	21,304,255	16,619,884	15,019,602	11,231,441
$20,000 to $49,999	374	(3)	(3)	2,811	(3)	(3)	12,450,035	(3)	(3)	7,514,232	(3)	(3)
$50,000 to $99,999	209	(3)	(3)	3,359	(3)	(3)	14,884,283	(3)	(3)	9,105,752	(3)	(3)
$100,000 to $499,999	432	371	367	20,995	19,728	49,719	100,125,884	86,575,489	116,696,453	53,952,105	42,425,486	52,043,520
$100,000 to $249,999	268	(3)		9,490	(3)		42,330,118	(3)		23,797,461	(3)	
$250,000 to $499,999	164	(3)		11,415	(3)		57,795,766	(3)		30,154,644	(3)	
$500,000 to $999,999	107	105		15,355	14,467		77,324,612	74,244,070		35,904,455	32,514,954	
$1,000,000 and over	163	183	69	82,408	95,951	49,126	456,882,554	549,146,793	135,285,205	214,621,719	236,266,394	54,571,589
$1,000,000 to $2,499,999	101	(3)	(3)	30,520	(3)	(3)	156,511,903	(3)	(3)	74,444,843	(3)	(3)
$2,500,000 to $4,999,999	41	(3)	(3)	23,149	(3)	(3)	137,871,563	(3)	(1)	60,237,947	(3)	(3)
$5,000,000 and over	21	(3)	(3)	28,739	(3)	(3)	162,499,088	(3)	(3)	79,938,929	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establisbments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,701	2,466	126,068	139,665	$666,368,210	$747,322,858	$324,078,139	$331,333,655
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	943	853	116,190	125,659	619,894,241	681,416,232	300,437,665	300,062,750
Other forms of ownership or control (individual, partnership, etc.)	758	1,613	9,878	14,006	46,473,969	65,906,626	23,640,474	31,270,905
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	200	(1)	52,088	(1)	286,476,646	(1)	131,396,240	(1)
Independent (single-unit)	1,501	(1)	73,980	(1)	379,891,564	(1)	192,681,899	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR THE PROVIDENCE-FALL RIVER-NEW BEDFORD INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	463,822	200,731	309	85,278	98	83,144	21	6,913	157	25,396	37,313	263,091	15,782	87,133
1927	410,181	210,943	401	94,925	111	91,260	33	3,200	158	21,558	27,649	199,238	15,360	104,866
1925	395,754	208,126	422	97,688	118	86,880	22	2,195	162	21,363	25,159	187,628	12,662	101,550
1919 [1]	319,688	221,731	819	147,358	74	41,922	108	3,188	266	29,263	12,231	97,957	7,653	65,956
1914 [1]	266,884	235,312	[2] 1,099	[2] 199,170	(3)	(3)	114	2,493	268	33,649	4,829	31,572	5,422	59,652
Providence-Fall River-New Bedford Industrial Area, total	738,958	329,959	425	176,728	242	129,060	25	6,963	105	17,208	50,483	408,999	17,168	128,409
Portion in Rhode Island (Providence County)	379,257	148,004	211	56,620	79	69,609	12	6,508	81	15,267	32,450	231,253	10,353	66,519
Portion in Massachusetts (Bristol County)	359,701	181,955	214	120,108	163	59,451	13	455	24	1,941	18,033	177,746	6,815	61,890
Counties in Rhode Island in which aggregate horsepower exceeded 25,000: 1929														
Kent	45,008	36,038	52	19,302	10	7,916	2	150	54	8,670	1,960	8,970	4,730	12,820
Providence	379,257	148,004	211	56,620	79	69,609	12	6,508	81	15,267	32,450	231,253	10,353	66,519

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	463,822	200,731	263,091	87,133	Newport	5,693	3,078	2,615	
					Providence	379,257	148,004	231,253	66,519
Bristol	20,190	3,535	16,655		Washington	13,674	10,076	3,598	7,794
Kent	45,008	36,038	8,970	12,820					

[1] Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	891,844	$4,740,217	887,972	859,193	1,091,114	1,212,471	1,136,018
Anthracite (tons, 2,240 pounds)	36,628	263,464	[3]	28,384	96,628	139,666	186,164
Bituminous (tons, 2,000 pounds)	850,821	4,476,753	[3]	827,403	982,891	1,056,045	927,514
Coke (tons, 2,000 pounds)	31,756	321,013	[4]	[4]	51,853	17,634	31,326
Fuel oils, including crude oils and gas oils (gallons) [5]	115,315,020	3,779,428	[4]	[4]	58,568,496	6,856,080	7,185,864
Gasoline and kerosene (gallons) [6]	367,899	43,811	[4]	[4]	799,134		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	413,735	330,823	[4]	[4]	616,995	113,335	115,679
Other fuels		76,128	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	305,310,550	5,372,848	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 14,664,268	*Cost* $15,770,452	*Cost* [3]	*Cost* $13,783,311	*Cost* $5,882,139	*Cost* $5,108,776

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	1,701	[3] 14,048	126,068	200,731	263,091	[3] $38,701,802	$144,196,934	$328,399,079	$13,890,992	$666,368,210	$324,078,139
Beverages	38	55	154	100	469	133,627	189,105	436,518	24,430	1,102,797	641,849
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	5	96	818		2,527	241,737	981,319	1,137,535	97,926	3,521,107	2,285,646
Boot and shoe findings, not made in boot and shoe factories	8	22	92		61	55,728	81,346	377,052	2,781	806,269	420,436
Boxes, paper, not elsewhere classified	12	81	563	155	284	221,619	485,347	577,212	15,889	1,700,505	1,107,404
Boxes, wooden, except cigar boxes	7	20	141	280	696	69,323	165,896	553,802	12,994	933,992	367,196
Bread and other bakery products	155	250	1,749		2,476	455,312	2,268,416	5,726,902	306,054	12,111,570	6,078,614
Brooms	3	1	8		9	[4]	6,140	13,180	198	22,600	9,222
Brushes, other than rubber	6	11	56	5	42	34,958	49,801	57,638	1,946	209,413	149,829
Chemicals, not elsewhere classified	7	57	319	378	2,507	161,997	411,314	1,060,150	115,457	2,505,125	1,329,518
Cigars and cigarettes	7	12	107		23	20,148	55,551	120,712	2,264	293,932	171,006
Concrete products	13	18	58	10	207	33,541	77,194	62,614	2,488	232,051	166,949
Confectionery	9	20	155		90	22,730	118,399	237,893	8,993	497,807	250,921
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	18	44	218		237	126,569	345,284	444,564	10,639	1,106,178	650,975
Cordage and twine	5	15	128	280	241	39,428	124,744	277,676	10,240	562,168	274,252
Cotton goods	55	997	21,833	66,904	67,290	3,275,890	21,778,173	41,992,204	2,413,859	86,203,795	41,797,732
Cotton small wares	49	316	4,781	5,015	4,660	1,026,693	4,841,003	9,693,570	307,917	19,332,244	9,330,757
Druggists' preparations	3	6	18		13	14,995	17,594	33,566	1,020	94,467	59,881
Dyeing and finishing textiles	62	1,591	9,242	26,478	14,614	5,032,865	11,306,286	20,666,826	2,150,066	51,394,741	28,577,849
Electrical machinery, apparatus, and supplies	12	374	2,118	7,170	10,511	854,448	2,282,727	9,815,409	211,269	18,208,435	8,181,757
Electroplating	18	31	139		306	83,840	145,021	91,697	10,567	486,039	383,775
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	8	4	37		13	6,490	63,032	9,938	289	115,480	105,253
Engraving, steel and copperplate, and plate printing	7	13	152		72	49,428	229,564	17,004	3,043	375,106	355,059
Fancy and miscellaneous articles, not elsewhere classified	31	135	1,356		380	362,025	1,079,902	1,211,217	28,034	3,611,186	2,371,935

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
Flavoring extracts and flavoring sirups	5	5	8	----------	39	$8,820	$8,262	$96,438	$1,576	$213,077	$115,063
Flour and other grain-mill products	8	15	36	119	509	15,708	24,271	563,432	5,646	639,282	70,204
Foundry and machine-shop products, not elsewhere classified	45	444	2,330	160	9,032	1,046,329	3,371,278	5,478,872	317,364	13,453,257	7,657,021
Furniture, including store and office fixtures	13	37	175	30	150	95,535	223,072	584,688	7,309	1,052,755	460,758
Gas, manufactured, illuminating and heating	4	406	769	4,371	2,153	724,779	1,228,132	1,380,258	1,599,021	8,127,072	5,147,793
Glass products (except mirrors) made from purchased glass	4	3	18	----------	13	10,818	24,572	21,511	1,785	72,598	49,302
Gold, silver, and platinum, reducing and refining, not from the ore	12	31	44	----------	176	90,117	85,352	2,156,019	13,895	2,751,414	581,500
Hand stamps and stencils and brands	3	9	20	----------	14	32,287	22,057	13,103	832	107,350	93,415
Hardware not elsewhere classified	7	28	75	----------	66	67,147	70,512	182,346	5,060	429,838	242,432
Hats and caps, except felt and straw, men's	3	3	14	----------	4	5,780	10,140	34,984	584	70,436	34,868
House-furnishing goods, not elsewhere classified	6	16	63	----------	31	31,040	45,140	170,084	1,766	276,885	105,035
Ice cream	32	43	154	----------	1,690	102,558	219,903	1,113,002	54,600	2,489,281	1,321,679
Ice, manufactured	7	11	63	160	2,358	19,586	94,754	19,081	70,585	552,321	462,655
Instruments, professional and scientific	4	37	157	----------	169	100,729	216,904	113,743	7,892	604,500	482,865
Ivory, shell, and bone work, not including buttons, combs, or hairpins	3	2	21	----------	15	[4]	22,263	30,809	776	78,445	46,860
Jewelry	238	1,420	10,273	240	14,862	3,915,733	10,482,300	17,860,751	302,073	41,692,203	23,529,379
Jewelry and instrument cases	6	16	99	----------	60	48,982	76,559	101,636	2,753	306,353	201,964
Knit goods	19	97	1,351	225	944	357,671	1,228,848	4,537,543	68,734	7,039,021	2,432,744
Lahels and tags	4	44	177	390	168	185,786	158,362	287,680	7,096	902,907	608,131
Lace goods	11	86	1,005	355	1,101	279,076	1,133,353	1,489,074	65,447	4,261,995	2,707,474
Lumber and timber products, not elsewhere classified	9	----------	66	590	----------	----------	60,101	58,097	580	161,374	102,697
Macaroni, spaghetti, vermicelli, and noodles	12	10	43	----------	215	19,413	45,390	252,806	14,005	413,127	146,316
Machine-tool accessories and small metal-working tools, not elsewhere classified	10	95	598	----------	2,989	221,731	957,305	395,215	44,855	2,367,025	1,926,955
Marble, granite, slate, and other stone products	12	42	268	200	1,809	125,777	501,609	373,076	41,479	1,275,910	861,355
Mattresses and bed springs, not elsewhere classified	6	15	72	----------	296	41,362	86,719	286,440	7,521	498,139	204,178
Meat packing, wholesale	7	33	162	----------	411	85,575	203,521	3,430,100	23,560	4,192,326	738,666
Models and patterns, not including paper patterns	7	8	48	----------	63	18,641	69,536	17,097	2,886	150,894	130,911
Motor-vehicle bodies and motor-vehicle parts	4	15	71	45	215	26,510	95,278	94,986	5,341	245,897	145,570
Optical goods	6	41	437	----------	92	132,712	407,226	594,980	8,091	1,584,034	980,963
Paper goods, not elsewhere classified	11	61	396	75	1,664	260,539	425,084	1,003,200	60,345	2,495,639	1,432,094
Patent or proprietary medicines and compounds	6	17	24	----------	20	25,578	19,692	85,323	669	272,512	186,620
Pencils, lead (including mechanical)	8	51	510	----------	135	123,180	307,736	338,953	8,186	996,053	648,914
Perfumes, cosmetics, and other toilet preparations	4	10	9	----------	1	23,223	6,920	32,125	477	89,815	57,213
Photo-engraving, not done in printing establishments	4	11	61	----------	77	25,511	116,927	26,868	4,155	258,592	227,569
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	19	86	308	870	1,865	253,814	439,865	890,544	29,616	1,961,078	1,041,018
Printing and publishing, book and job	78	228	772	----------	986	590,502	1,105,242	1,287,092	35,931	4,116,125	2,793,102
Printing and publishing, newspaper and periodical	31	599	734	600	1,021	1,337,061	1,478,081	1,531,746	62,125	7,465,921	5,872,050
Rubber goods other than tires, inner tubes, and boots and shoes	7	400	1,822	100	10,593	803,528	2,044,604	3,543,304	292,799	10,759,530	6,923,427
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	12	20	57	20	253	42,656	79,504	1,159,761	11,778	1,510,093	338,554
Ship and boat building, steel and wooden, including repair work	9	97	577	577	663	180,471	881,618	2,519,661	26,774	3,780,976	1,234,541
Signs and advertising novelties	7	6	38	----------	14	8,722	51,000	57,830	422	171,596	113,344
Silk and rayon manufactures	43	376	7,589	6,400	8,189	1,261,408	8,558,192	20,389,894	372,344	35,638,421	14,876,183
Soap	7	22	37	100	145	91,228	58,980	696,245	12,954	1,033,839	324,640
Sporting and athletic goods, not including firearms or ammunition	4	62	344	----------	486	196,205	415,798	561,333	27,649	1,479,960	890,978
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	20	36	270	40	459	145,180	278,958	243,410	12,895	881,683	625,378
Steam fittings and steam and hot-water heating apparatus	4	37	163	----------	296	118,811	201,851	625,101	12,271	1,475,082	837,710
Stoves and ranges (other than electric) and warm-air furnaces	4	21	102	----------	248	72,691	140,678	457,968	4,957	1,070,101	607,176
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	12	41	84	207	166	159,828	104,345	796,138	12,999	1,359,981	556,844
Textile machinery and parts	43	651	3,711	1,447	6,158	1,612,237	4,785,953	4,400,339	239,023	18,009,718	13,370,356
Tools, not including edged tools, machine tools, files, or saws	16	11	108	----------	130	26,960	141,942	60,829	5,080	355,865	289,956
Toys (not including children's wheel goods or sleds), games, and playground equipment	7	6	53	----------	34	11,540	46,766	65,682	1,013	181,531	114,836
Wirework, not elsewhere classified	5	12	49	----------	42	18,970	49,386	82,930	4,710	207,709	120,069
Wood turned and shaped and other wooden goods, not elsewhere classified	8	40	310	350	368	74,543	330,114	303,460	16,512	837,361	517,389
Woolen goods	21	192	2,919	5,331	2,253	628,776	3,489,884	10,021,834	280,578	16,789,514	6,487,102
Wool shoddy	5	11	26	----------	222	29,922	42,083	181,628	13,973	270,437	74,836
Worsted goods	72	1,016	21,216	43,479	26,577	3,509,141	22,949,332	89,638,055	2,082,061	138,197,177	46,577,061
Other industries	189	2,747	20,920	27,475	52,654	6,938,984	27,370,532	51,151,096	1,837,421	113,271,128	60,282,611

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 813 employees of central administrative offices, with salaries aggregating $2,314,918. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR THE PROVIDENCE-FALL RIVER-NEW BEDFORD INDUSTRIAL AREA AND FOR PROVIDENCE COUNTY, BY INDUSTRIES: 1929

[This table presents, for the Providence-Fall River-New Bedford Industrial Area (see GENERAL EXPLANATIONS—Industrial Area) and for Providence County, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
PROVIDENCE-FALL RIVER-NEW BEDFORD INDUSTRIAL AREA											
[This area comprises Providence County, Rhode Island, and Bristol County, Massachusetts]											
All industries, total	2,289	18,183	184,895	329,959	408,999	$49,587,454	$203,018,932	$441,018,808	$20,556,077	$898,409,509	$436,834,624
Belting, leather	8	24	111	132	46	34,751	120,391	344,329	4,984	620,194	270,881
Beverages	50	76	225	175	628	214,690	278,107	768,593	30,922	1,941,279	1,141,764
Bookbinding and blank-book making	5		26		15		28,336	20,773	692	64,739	43,274
Boots and shoes, other than rubber	5	10	136	150	48	19,903	94,567	206,052	3,568	442,037	232,417
Bread and other bakery products	254	273	2,256	15	3,081	493,422	2,868,277	7,520,322	387,559	15,519,738	7,611,866
Chemicals, not elsewhere classified	7	57	319	378	2,507	161,997	411,314	1,060,150	115,457	2,505,125	1,329,518
Clay products (other than pottery) and non-clay refractories	4	19	147	130	291	54,427	176,967	49,738	50,140	473,884	374,006
Cleaning and polishing preparations	4	2	7		1	(1)	7,884	20,282	320	46,967	26,305
Clothing, women's, not elsewhere classified	12	52	503		139	182,673	403,426	1,274,592	9,880	2,287,029	1,002,557
Confectionery	9	20	155		90	22,730	118,399	237,893	8,993	497,807	250,921
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	23	49	240		260	128,769	369,730	453,552	11,132	1,141,159	676,475
Cotton goods	112	2,236	63,701	169,523	175,440	7,124,120	60,430,712	107,417,436	6,516,858	217,715,771	103,781,477
Cotton small wares	51	269	3,779	4,290	4,779	884,402	3,623,872	7,187,762	276,923	14,751,092	7,286,407
Druggists' preparations	3	6	18		13	14,995	17,594	33,566	1,020	94,467	59,881
Dyeing and finishing textiles	57	1,782	11,489	42,169	14,907	5,202,821	13,674,301	33,536,704	2,656,981	69,491,104	33,297,419
Electrical machinery, apparatus, and supplies	17	307	2,111	6,570	8,659	812,727	2,134,827	7,106,782	174,957	14,859,789	7,578,050
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	20	15	215		119	25,713	350,685	56,797	7,090	676,605	612,718
Fancy and miscellaneous articles, not elsewhere classified	40	210	1,608	100	645	555,451	1,383,075	1,385,043	39,756	4,620,801	3,196,002
Flavoring extracts and flavoring sirups	5	5	8		39	5,820	8,262	96,438	1,576	213,077	115,063
Flour and other grain-mill products	6	15	34	65	465	13,757	19,591	473,900	4,480	540,826	62,446
Foundry and machine-shop products, not elsewhere classified	66	459	2,477	156	9,400	1,037,384	3,632,674	5,849,962	320,126	13,935,361	7,765,273
Furniture, including store and office fixtures [2]	14	37	176	30	200	95,535	225,762	586,688	7,609	1,060,755	466,458
Glass products (except mirrors) made from purchased glass	4	3	18		13	10,818	24,572	21,511	1,785	72,598	49,302
Hand stamps and stencils and brands	3	9	20		14	32,287	22,057	13,103	832	107,350	93,415
House-furnishing goods, not elsewhere classified	14	81	415		195	183,816	268,157	2,845,647	9,761	3,840,203	984,795
Ice cream	37	57	200		2,099	122,095	288,152	1,375,184	67,806	3,058,979	1,615,989
Ice, manufactured	10	13	85	480	3,324	22,282	141,796	21,903	114,292	772,007	635,812
Ivory, shell, and bone work, not including buttons, combs, or hairpins	3	2	21		15	(1)	22,263	30,809	776	78,445	46,860
Jewelry [2]	332	2,060	14,882	745	18,479	5,691,778	16,359,076	29,135,769	472,262	66,095,394	36,487,363
Labels and tags	4	44	177	390	168	185,786	158,362	287,680	7,096	902,907	608,131
Lace goods	5	53	583		745	195,792	674,576	846,523	34,695	2,636,921	1,755,703
Lumber and timber products, not elsewhere classified	11	12	126	741	824	28,119	127,297	186,778	10,318	465,451	268,355
Macaroni, spaghetti, vermicelli, and noodles	9	8	37		147	14,913	38,790	197,528	10,447	325,551	117,576
Machine-tool accessories and small metal-working tools, not elsewhere classified	17	319	1,798	950	5,984	643,229	2,390,435	1,137,922	162,905	6,866,571	5,565,744
Marble, granite, slate, and other stone products	11	30	127	70	803	88,847	214,621	254,500	17,664	742,994	470,830
Models and patterns, not including paper patterns	7	8	48		63	18,641	69,536	17,097	2,886	150,894	130,911
Paints and varnishes	11	111	176		1,012	339,570	249,680	2,083,169	35,964	3,813,774	1,694,641
Pencils, lead (including mecbanical)	8	51	510		135	123,180	307,736	338,953	8,186	996,053	648,914
Photo engraving, not done in printing establishments	4	11	61		77	25,511	116,927	26,868	4,155	258,592	227,569
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	30	119	505	1,765	2,477	320,534	715,072	1,369,112	44,305	3,009,480	1,596,063
Plated ware	14	103	1,047	850	722	335,596	1,167,460	641,050	65,937	3,355,698	2,648,711
Printing and publishing, book and job	100	256	918		1,170	643,351	1,292,467	1,444,871	44,257	4,749,736	3,260,608
Printing and publishing, newspaper and periodical	33	804	925	600	1,672	1,835,894	1,773,079	1,922,985	85,442	9,480,750	7,472,323
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	23	27	121	20	496	74,098	162,355	1,760,966	21,716	2,340,563	557,851
Screw-machine products and wood screws	9	170	1,042	1,930	2,314	458,776	1,305,944	1,581,174	110,800	4,796,302	3,104,328
Ship and boat building, steel and wooden, including repair work	7	16	143	107	629	30,286	201,745	172,368	4,202	497,475	320,905
Signs and advertising novelties	7	6	38		14	8,722	51,000	57,830	422	171,596	113,344
Silk and rayon manufactures	55	476	9,328	6,775	14,405	1,501,686	10,316,305	27,609,457	508,765	48,689,594	20,571,282
Silversmithing and silverware	14	554	2,612	1,776	1,622	1,201,970	3,660,830	4,352,287	123,856	14,559,758	10,083,615
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	24	51	388	10	836	174,532	436,360	339,202	35,783	1,315,645	937,660
Stoves and ranges (other than electric) and warm-air furnaces	10	149	1,207	75	2,761	453,740	1,706,591	1,759,718	128,942	5,651,485	3,762,825
Surgical and orthopedic appliances, including artificial limbs	5	20	164	755	100	35,383	115,171	505,561	8,780	884,201	369,860
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	12	35	108	182	269	111,455	168,274	1,627,396	28,445	2,079,994	424,153
Textile machinery and parts	79	808	4,821	1,542	10,260	2,132,884	6,136,398	5,523,489	338,061	21,929,032	16,067,482
Toys (not including children's wheel goods or sleds), games, and playground equipment	10	16	127		81	33,994	102,395	110,952	2,990	321,802	207,860

See footnotes at end of this section, p. 479.

TABLE 13.—GENERAL STATISTICS FOR THE PROVIDENCE-FALL RIVER-NEW BEDFORD INDUSTRIAL AREA AND FOR PROVIDENCE COUNTY, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
PROVIDENCE-FALL RIVER-NEW BEDFORD INDUSTRIAL AREA—Continued											
Waste	7	33	247	370	842	$124,109	$214,799	$2,350,097	$35,552	$2,883,730	$498,081
Wirework, not elsewhere classified	5	12	18	.....	42	18,970	49,386	82,930	4,710	207,709	120,069
Woolen goods	14	150	2,237	4,091	1,682	525,803	2,739,496	8,772,838	207,364	14,386,119	5,405,917
Wool shoddy	5	11	26	.....	222	29,922	42,083	181,628	13,973	270,437	74,836
Worsted goods	66	908	19,241	40,290	22,716	3,118,237	20,825,801	81,219,597	1,877,557	124,419,174	41,322,020
Other industries [2]	498	4,664	30,574	41,562	87,795	11,574,761	37,983,135	83,124,972	5,268,374	177,725,089	89,331,743

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[2] The figures for each of the two industries covered by this footnote include data for 1 establishment located outside the Providence-Fall River-New Bedford Industrial Area, to avoid disclosing the figures reported by an individual establishment. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

PROVIDENCE COUNTY

All industries, total	1,495	12,550	108,275	148,004	231,253	$34,518,291	$125,649,622	$281,708,025	$11,886,323	$578,723,645	$285,129,297
Beverages	30	42	125	50	390	99,754	161,228	349,764	18,426	895,539	527,349
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	5	96	818	.....	2,527	241,737	981,319	1,137,535	97,926	3,521,107	2,285,646
Boot and shoe findings, not made in boot and shoe factories	8	22	92	.....	61	55,728	81,346	377,052	2,781	800,269	420,436
Boxes, paper, not elsewhere classified	12	81	563	155	284	221,619	483,337	577,212	15,889	1,700,505	1,107,404
Boxes, wooden, except cigar boxes	7	20	141	280	696	69,323	165,896	553,802	12,994	933,992	367,196
Bread and other bakery products	131	245	1,657	.....	2,402	445,356	2,152,672	5,441,469	282,752	11,553,474	5,829,253
Brooms	3	1	8	.....	9	(1)	6,140	13,180	198	22,600	9,222
Brushes, other than rubber	6	11	56	5	42	34,958	49,801	57,638	1,946	209,413	149,829
Chemicals, not elsewhere classified	7	57	319	378	2,507	161,997	411,314	1,060,150	115,457	2,505,125	1,329,518
Confectionery	9	20	155	.....	90	22,730	118,399	237,893	8,993	497,807	250,921
Cotton goods	40	811	15,953	35,481	54,034	2,727,769	16,798,046	31,205,797	1,763,615	67,421,727	34,452,315
Cotton small wares	42	249	3,466	4,115	4,070	807,175	3,382,646	6,248,502	247,824	13,241,736	6,745,410
Druggists' preparations	3	6	18	.....	13	14,995	17,594	33,566	1,020	94,467	59,881
Dyeing and finishing textiles	45	1,246	6,863	17,158	13,576	3,710,121	8,627,656	12,238,328	1,716,621	35,022,253	21,067,304
Electroplating	18	31	139	.....	306	83,840	145,021	91,697	10,567	486,039	383,775
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	8	4	37	.....	13	6,490	63,032	9,938	289	115,480	105,253
Engraving, steel and copperplate, and plate printing	7	13	152	.....	72	49,428	229,564	17,004	3,043	375,106	355,059
Fancy and miscellaneous articles, not elsewhere classified	31	135	1,356	.....	380	362,025	1,079,902	1,211,217	28,034	3,611,186	2,371,935
Flavoring extracts and flavoring sirups	5	5	8	.....	39	5,820	8,262	96,438	1,576	213,077	115,063
Foundry and machine-shop products, not elsewhere classified	37	375	1,941	150	7,763	815,652	2,842,889	4,833,651	257,797	11,180,388	6,088,940
Furniture, including store and office fixtures [3]	13	37	175	30	150	95,535	223,072	584,688	7,309	1,052,755	460,758
Glass products (except mirrors) made from purchased glass	4	3	18	.....	13	10,818	24,572	21,511	1,785	72,598	49,302
Gold, silver, and platinum, reducing and refining, not from the ore	12	31	44	.....	176	90,117	85,352	2,156,019	13,895	2,751,414	581,500
Hand stamps and stencils and brands	3	9	20	.....	14	32,287	22,057	13,103	832	107,350	93,415
Hardware not elsewhere classified	7	28	75	.....	66	67,147	70,512	182,346	5,060	429,838	242,432
Hats and caps, except felt and straw, men's	3	3	14	.....	4	5,780	10,140	34,984	584	71,436	34,868
Ice cream	25	42	128	.....	1,553	100,478	181,988	970,106	46,592	2,181,506	1,164,808
Ivory, shell, and bone work, not including buttons, combs, or hairpins	3	2	21	.....	15	(1)	22,263	30,809	776	78,445	46,860
Jewelry [4]	238	1,420	10,273	240	14,862	3,915,733	10,482,300	17,860,751	302,073	41,692,203	23,529,379
Jewelry and instrument cases	6	16	99	.....	60	48,982	76,559	101,636	2,753	306,353	201,964
Knit goods	19	97	1,351	225	944	357,671	1,228,848	4,537,543	68,734	7,039,021	2,432,744
Labels and tags	4	44	177	390	168	185,786	158,362	287,680	7,096	902,907	608,131
Lace goods	5	53	583	.....	745	195,792	674,576	846,523	34,695	2,636,921	1,755,703
Macaroni, spaghetti, vermicelli, and noodles	9	8	37	.....	147	14,913	38,790	197,528	10,447	325,551	117,576
Machine-tool accessories and small metal-working tools, not elsewhere classified	10	95	598	.....	2,989	221,731	957,305	395,215	44,855	2,367,025	1,926,955
Marble, granite, slate, and other stone products	6	23	105	50	542	68,310	179,301	239,662	11,563	627,876	376,651
Mattresses and bed springs, not elsewhere classified	6	15	72	.....	296	41,362	86,719	286,440	7,521	498,139	204,178
Meat packing, wholesale	7	33	162	.....	411	85,575	203,521	3,430,100	23,560	4,192,326	738,666
Models and patterns, not including paper patterns	7	8	48	.....	63	18,641	69,536	17,097	2,886	150,894	130,911
Motor-vehicle bodies and motor-vehicle parts	4	15	71	45	215	26,510	95,278	94,986	5,341	245,897	145,570
Optical goods	6	41	437	.....	92	132,712	407,226	594,860	8,061	1,584,034	980,963
Paper goods, not elsewhere classified	11	61	396	75	1,664	260,539	425,084	1,003,200	60,345	2,495,639	1,432,094
Pencils, lead (including mechanical)	8	51	510	.....	135	123,180	307,736	338,953	8,186	996,053	648,914
Photo-engraving, not done in printing establishments	4	11	61	.....	77	25,511	116,927	26,868	4,155	258,592	227,569
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	15	83	292	840	1,001	247,354	411,744	703,844	25,554	1,719,472	990,074
Printing and publishing, book and job	68	2	743	.....	594	582,182	1,069,088	1,252,211	33,875	4,003,666	2,717,580
Printing and publishing, newspaper and periodical	19	537	619	600	815	1,234,167	1,300,143	1,457,853	50,334	6,912,248	5,404,061

See footnotes at end of this section, p. 480.

TABLE 13.—GENERAL STATISTICS FOR THE PROVIDENCE-FALL RIVER-NEW BEDFORD INDUSTRIAL AREA AND FOR PROVIDENCE COUNTY, BY INDUSTRIES: 1929—Continued

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
PROVIDENCE COUNTY—Continued											
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	9	17	51	20	231	$39,875	$71,623	$1,091,819	$11,168	$1,419,284	$316,297
Signs and advertising novelties	7	6	38	----	14	8,722	51,000	57,830	422	171,596	113,344
Silk and rayon manufactures	37	346	7,094	5,500	7,763	1,183,679	8,150,760	19,473,692	353,798	33,810,880	13,983,390
Soap	7	22	37	100	145	91,228	58,980	696,245	12,954	1,033,839	324,640
Sporting and athletic goods, not including firearms or ammunition	4	62	344	----	486	196,205	415,798	561,333	27,649	1,479,960	890,978
Steam fittings and steam and hot-water heating apparatus	4	37	163	----	296	118,811	201,851	625,101	12,271	1,475,082	837,710
Stoves and ranges (other than electric) and warm-air furnaces	4	21	102	----	248	72,691	140,678	457,968	4,957	1,070,101	607,176
Tools, not including edge tools, machine tools, files, or saws	16	11	108	----	130	26,960	141,942	60,829	5,080	355,865	289,956
Toys (not including children's wheel goods or sleds), games, and playground equipment	7	6	53	----	34	11,540	46,766	65,682	1,013	181,531	114,836
Wirework, not elsewhere classified	5	12	49	----	42	18,970	49,386	82,930	4,710	207,709	120,069
Wool shoddy	5	11	26	----	222	29,922	42,083	181,628	13,973	270,437	74,836
Other industries [5, 6]	414	5,541	49,214	82,117	104,257	14,594,338	59,631,692	154,894,499	6,061,683	297,146,912	136,190,730

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[5] The figures for each of the two industries covered by this footnote include data for 1 establishment located outside Providence County, to avoid disclosing the figures reported by an individual establishment. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the county are not affected by these counterbalancing adjustments.

[6] The figures for this item include data for the "Worsted goods" industry, which reported a larger number of wage earners than any other industry in the county but for which separate figures can not be given without disclosing an approximation of the data for individual establishments.

TABLE 14.—GENERAL STATISTICS FOR PROVIDENCE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. The totals for all industries do not include data for a few establishments located outside the city (see footnote 1), and therefore are slightly smaller than the sums of the items for the individual industries]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	935	6,780	48,322	40,033	75,617	$18,224,634	$56,851,906	$105,042,333	$4,673,807	$241,793,973	$132,077,833
Beverages	14	19	40	----	137	36,551	44,983	140,972	6,795	372,863	225,096
Boot and shoe findings, not made in boot and shoe factories	8	22	92	----	61	55,728	81,346	377,052	2,781	800,269	420,436
Boxes, paper, not elsewhere classified	8	69	470	155	248	179,065	427,756	454,736	13,325	1,370,667	902,606
Bread and other bakery products	69	104	825	----	1,344	203,438	1,182,342	2,865,824	148,908	6,385,822	3,371,090
Confectionery	6	16	135	----	79	15,970	107,095	209,103	7,997	436,820	219,720
Druggists' preparations	3	6	18	----	13	14,995	17,594	33,566	1,020	94,467	59,881
Dyeing and finishing textiles	7	312	1,435	4,655	2,008	818,064	1,699,202	4,150,552	342,738	9,636,616	5,143,326
Electroplating	18	31	139	----	306	83,840	145,021	91,697	10,567	486,039	383,775
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	8	4	37	----	13	6,490	63,032	9,938	289	115,480	105,253
Engraving, steel and copperplate, and plate printing	7	13	152	----	72	49,428	229,564	17,004	3,043	375,106	355,059
Fancy and miscellaneous articles, not elsewhere classified [1]	31	135	1,356	----	380	362,025	1,079,902	1,211,217	28,034	3,611,186	2,371,935
Flavoring extracts and flavoring sirups	5	5	8	----	39	5,820	8,262	96,438	1,576	213,077	115,063
Foundry and machine-shop products, not elsewhere classified	24	203	819	150	2,667	423,256	1,208,222	1,089,352	90,706	3,524,159	2,344,101
Furniture, including store and office fixtures [1]	13	37	175	30	150	95,535	223,072	584,688	7,309	1,052,755	460,758
Gold, silver, and platinum, reducing and refining, not from the ore	12	31	44	----	176	90,117	85,352	2,156,019	13,895	2,751,414	581,500
Hand stamps and stencils and brands	3	9	20	----	14	32,287	22,057	13,103	832	107,350	93,415
Hats and caps, except felt and straw, men's	3	3	14	----	4	5,780	10,140	34,984	584	70,436	34,868
Ice cream	19	35	94	----	1,223	85,726	133,539	779,889	36,100	1,709,886	893,897
Ivory, shell, and bone work, not including buttons, combs, or hairpins	3	2	21	----	15	[2]	22,263	30,809	776	78,445	46,860
Jewelry	227	1,369	9,873	240	13,458	3,799,738	10,015,344	16,716,160	265,482	39,508,783	22,527,141
Jewelry and instrument cases	6	16	99	----	60	48,982	76,559	101,636	2,753	306,353	201,964
Knit goods	5	25	418	60	189	102,188	382,155	845,540	27,244	1,725,099	852,315
Macaroni, spaghetti, vermicelli, and noodles	9	8	37	----	147	14,913	38,790	197,528	10,447	325,551	117,576
Marble, granite, slate, and other stone products	6	23	105	50	542	68,310	179,301	239,662	11,563	627,876	376,651
Models and patterns, not including paper patterns	4	7	39	----	42	14,361	57,931	15,436	2,242	120,339	102,661
Optical goods	6	41	437	----	92	132,712	407,226	594,980	8,091	1,584,034	980,963
Pencils, lead (including mechanical) [1]	8	51	510	----	135	123,180	307,736	338,953	8,186	996,053	648,914
Photo-engraving, not done in printing establishments	4	11	61	----	77	25,511	116,927	26,868	4,155	258,592	227,569
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	5	35	137	430	220	123,637	186,626	332,470	8,033	767,210	426,707
Printing and publishing, book and job	57	207	698	----	815	559,363	1,006,955	1,160,563	29,105	3,756,965	2,567,297
Soap	4	14	18	75	55	54,883	31,352	259,491	5,084	465,904	201,329
Textile machinery and parts	13	137	703	10	1,560	460,230	997,031	1,166,610	53,321	4,144,154	2,924,223
Other industries	323	3,784	29,328	34,178	49,314	10,137,835	36,278,406	68,717,286	3,522,233	154,076,458	81,836,939

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The items for each of the three industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.

[2] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

SOUTH CAROLINA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	1,659	108,777	527,326	234,018	293,308	$73,223,327	$226,541,603	$214,617,334	$11,924,269	$385,892,252	$159,350,649
1927	1,059	108,992	478,245	227,615	250,630	74,477,866	206,772,453	194,032,519	12,739,934	358,334,205	151,561,752
1925	1,134	100,144	423,359	232,425	190,934	67,061,783	237,227,046	(4)	(4)	370,283,045	133,055,999
1923	1,180	96,802	407,735	231,751	175,984	64,753,457	221,240,204	(4)	(4)	360,445,739	139,205,535
1921	1,107	76,251	(5)	(5)	(5)	51,409,995	141,901,655	(4)	(4)	236,420,578	94,518,923
1919	2,004	79,450	395,466	257,905	137,561	62,565,413	227,986,384	220,416,614	7,569,770	381,452,984	153,466,600
1914	1,885	71,824	335,710	251,956	83,754	24,173,101	91,008,996	86,871,280	4,137,716	138,891,202	47,882,206
1909	1,854	73,046	276,343	235,213	41,130	20,360,750	66,350,874	63,244,550	3,106,324	113,235,945	46,885,071
1904	1,399	59,441	197,399	188,948	8,451	13,868,950	49,968,626	47,677,083	2,291,543	79,376,262	29,407,636
1899	1,369	47,025	109,377	109,192	185	9,130,269	30,485,861	(6)	(6)	53,335,811	22,849,950
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	56.7	−0.2	10.3	2.8	17.0	−1.7	9.6	10.6	−6.4	7.7	5.1
1925–1927	−6.6	8.8	13.0	−2.1	31.3	11.1	−12.8			−3.2	13.9
1923–1925	−3.9	3.5	3.8	0.3	8.5	3.6	7.2			2.7	−4.4
1921–1923	6.6	27.0				26.0	55.9			52.5	47.3
1919–1921	−44.8	−4.0				−17.8	−37.8			−38.0	−38.4
1919–1929	−17.2	36.9	33.3	−9.3	113.2	17.0	−0.6	−2.6	57.5	1.2	3.8
1909–1919	8.1	8.8	43.1	9.6	234.5	207.3	243.6	248.5	143.7	236.9	227.3
1899–1909	35.4	55.3	152.7	115.4	22,132.4	123.0	117.6			112.3	105.2

[1] Not including salaried employees.

[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[4] Not reported separately.

[5] Not called for on schedule.

[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	1,738,765	1,659	108,777	527,326	$73,223,327	$226,541,603	$214,617,334	$11,924,269	$385,892,252	$159,350,649
Counties[3]										
Abbeville	23,323	16	1,076	4,693	657,680	2,091,747	2,016,658	75,089	3,769,636	1,677,889
Aiken	47,403	26	2,996	16,131	2,173,513	5,593,557	5,184,980	408,577	9,486,974	3,893,417
Allendale	13,294	18	369	772	200,345	307,662	301,481	6,181	750,192	442,530
Anderson	80,949	55	8,276	46,932	5,344,867	17,706,088	16,697,396	1,008,692	30,310,090	12,604,002
Bamberg	19,410	22	368	1,607	242,482	593,907	564,543	29,364	1,185,402	591,495
Barnwell	21,221	19	262	1,264	149,187	318,544	315,335	3,209	667,772	349,228
Beaufort	21,815	16	591	893	176,103	370,508	341,349	29,159	802,662	432,154
Berkeley	22,236	18	720	2,976	487,323	419,234	417,110	2,124	1,467,542	1,048,308
Calhoun	16,707	28	170	807	84,858	223,383	220,259	3,124	408,565	185,182
Charleston	101,050	89	5,270	28,752	4,337,526	23,443,683	22,894,384	549,299	32,574,467	9,130,784
Cherokee	32,201	25	3,557	15,863	2,028,766	6,351,430	5,941,172	410,258	10,075,808	3,724,378
Chester	31,803	20	2,811	10,108	1,818,046	6,308,880	5,962,390	346,490	9,991,134	3,682,254
Chesterfield	34,334	35	598	3,067	332,535	1,440,336	1,382,269	58,067	2,166,600	726,264
Clarendon	30,036	21	851	2,623	474,861	440,737	438,285	2,452	1,467,010	1,026,273
Colleton	28,321	35	879	2,143	428,638	427,586	412,330	15,256	1,297,249	869,663
Darlington	41,427	36	1,738	16,289	1,269,401	3,663,218	3,359,044	304,174	7,160,783	3,497,565
Dillon	25,733	11	633	2,712	289,998	1,720,855	1,649,583	71,272	2,585,293	864,438
Dorchester	18,956	15	602	2,512	384,396	448,833	426,738	22,095	1,199,027	750,194
Edgefield	19,326	25	366	1,949	222,288	1,118,918	1,091,744	27,174	1,701,756	582,838
Florence	61,027	38	1,410	4,854	1,247,698	1,869,744	1,778,529	91,215	4,166,118	2,296,374
Georgetown	21,738	13	2,172	6,306	1,325,358	737,513	665,116	72,397	2,696,253	1,958,740
Greenville[4]	117,909	112	15,976	60,781	11,099,674	32,308,043	30,501,210	1,806,833	57,887,553	25,579,510
Greenwood	36,078	48	4,346	24,647	2,990,830	10,439,599	10,057,270	382,329	17,492,409	7,052,810
Hampton	17,243	35	1,067	3,230	612,177	468,993	447,649	21,344	1,585,025	1,116,032
Horry	39,376	13	987	2,027	651,052	536,002	517,281	18,721	1,626,278	1,090,276
Jasper	9,988	14	805	1,162	456,722	216,296	213,143	3,153	893,429	677,133
Kershaw	32,070	39	751	4,050	521,708	1,599,305	1,474,331	124,974	2,630,788	1,031,483
Lancaster	27,980	39	2,723	13,550	1,655,425	5,935,406	5,672,585	262,821	9,854,172	3,918,766
Laurens	42,094	25	3,458	11,555	2,425,034	5,870,582	5,350,461	520,121	10,810,491	4,939,909
Lee	24,096	15	210	1,127	119,539	740,947	722,332	18,615	1,109,941	368,994
Lexington	36,494	81	1,346	6,334	933,387	2,719,546	2,604,156	115,390	4,954,294	2,234,748
McCormick	11,471	29	288	1,157	137,707	332,688	330,440	2,248	705,221	372,533
Marion	27,221	22	1,308	6,850	970,264	1,331,886	1,288,132	43,754	3,089,978	1,758,092
Newberry	34,681	66	2,995	13,908	1,897,980	6,921,289	6,509,786	411,503	11,298,814	4,377,525
Oconee	33,368	32	1,929	11,005	1,272,978	3,851,141	3,663,392	187,749	6,412,829	2,561,688
Orangeburg	63,864	34	1,226	4,946	766,460	1,662,648	1,611,819	50,829	3,328,577	1,665,929
Pickens	33,709	26	3,577	10,569	2,019,215	6,480,609	6,111,551	369,058	10,680,609	4,200,000
Richland	87,667	116	4,580	24,445	3,909,607	12,330,090	11,537,974	792,116	21,552,903	9,222,813
Saluda	18,148	37	270	1,151	136,903	288,547	286,762	1,785	570,378	281,831
Spartanburg[4]	116,323	99	12,265	78,876	8,602,742	27,838,180	26,448,353	1,389,827	46,613,101	18,774,921
Sumter	45,902	50	1,906	6,459	1,095,697	2,607,108	2,529,596	77,512	5,375,801	2,768,693
Union	30,920	35	3,534	23,810	2,459,439	8,843,573	8,278,638	564,935	13,621,175	4,777,602
Williamsburg	34,914	12	69	323	51,498	58,310	57,501	809	179,906	121,596
York	53,418	51	4,973	17,708	3,183,765	10,713,437	9,977,974	735,463	16,624,437	5,911,000
All other counties[5]	54,921	48	2,473	24,403	1,577,605	6,851,015	6,364,303	486,712	11,063,810	4,212,795
Cities having 10,000 inhabitants or more										
Anderson	14,383	25	1,043	4,357	803,519	2,112,793	1,933,366	179,427	4,423,893	2,311,100
Charleston	62,265	54	2,776	15,450	2,619,304	15,305,889	14,994,114	311,775	19,765,055	4,459,166
Columbia	51,581	67	3,769	19,359	3,404,850	10,202,602	9,526,041	676,561	18,107,816	7,905,214
Florence	14,774	16	831	1,802	929,082	1,090,923	1,032,915	58,008	2,532,653	1,441,730
Greenville	29,154	58	2,310	7,322	1,665,561	5,921,314	5,619,515	301,799	11,139,428	5,218,114
Greenwood	11,020	20	1,301	4,993	1,003,196	3,065,559	2,923,163	142,396	5,508,639	2,443,080
Rock Hill	11,322	24	1,730	7,734	1,221,746	3,469,911	3,192,258	277,653	5,622,619	2,152,708
Spartanburg	28,723	52	2,076	11,992	1,477,110	5,726,256	5,438,069	288,187	9,226,699	3,500,443
Sumter	11,780	32	1,291	4,429	795,400	1,937,052	1,875,846	61,206	4,116,306	2,179,254

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group, "All other counties." Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
[4] For statistics by industries for this county, see Table 13.
[5] Fairfield and Marlboro Counties. (See footnote 3.)

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	114,989	85,644	29,345	1,113	1,092	21	[2] 954	[2] 914	[2] 40	[2] 4,145	[2] 3,518	[2] 627	108,777	[3] 80,120	[3] 28,657
1919 [1, 4]	86,360	66,933	19,427	1,754	1,704	50	1,034	1,008	26	4,122	3,421	701	79,450	60,800	18,650
1914 [4]	77,603	59,627	17,976	1,815	1,768	47	847	834	13	3,117	2,785	332	71,824	54,240	17,584
1909	78,040	60,944	17,096	1,737	1,697	40	606	603	3	2,651	2,380	271	73,046	56,264	16,782

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 60; male, 59; female, 1. Other salaried officers and employees—total, 289; male, 206; female, 83. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	108,777	108,624	109,245	**111,568**	107,449	107,978	108,460	107,532	108,601	109,387	109,643	109,694	*107,143*	96.0
1919 [1]	79,450	79,274	78,606	78,828	76,361	74,217	*74,165*	76,281	78,550	82,889	83,136	84,268	**68,825**	85.4
1914 [1]	71,824	75,638	76,808	77,**166**	73,736	71,110	69,740	69,244	*68,195*	69,125	69,467	70,450	71,209	88.4
1909 [1]	73,046	73,774	75,696	**76,373**	72,682	70,310	*70,283*	70,708	70,441	71,951	73,996	74,756	75,585	92.0

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,659	108,777	45 and over but under 48	18	262
			48	121	3,997
Not reported	525	3,196	Over 48 but under 54	84	3,156
Under 40	31	265	54	52	1,025
40	33	719	Over 54 but under 60	410	82,100
Over 40 but under 44	9	71	60 and over	327	13,255
44 and over but under 45	49	731			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,659	2,004	1,854	108,777	79,450	73,046	51 to 100	82	79	68	5,726	5,725	5,024
							101 to 250	85	98	97	14,576	16,475	16,059
No wage earners	10	105	60				251 to 500	79	49	48	28,607	16,576	17,057
1 to 5	835	1,040	906	4,134	2,264	2,544	501 to 1,000	39	31	25	28,928	21,137	17,281
6 to 20	335	429	505	3,976	4,625	5,446	1,001 to 2,500	12	6	4	16,998	7,203	5,265
21 to 50	182	167	141	5,832	5,445	4,370	2,501 and over						

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,659	2,004	1,854	108,777	79,450	73,046	$385,892,252	$381,452,984	$113,235,945	$159,350,649	$153,466,600	$46,885,071
Less than $5,000	(2)	570	812	(2)	621	2,473	(2)	1,293,763	1,744,344	(2)	893,074	1,247,783
$5,000 to $19,999	782	571	507	4,486	2,388	4,224	7,435,225	6,180,647	4,912,546	4,962,313	3,916,768	3,260,619
$20,000 to $99,999	425	434	300	6,210	5,756	9,037	19,392,062	19,454,041	13,432,870	10,607,675	9,607,282	6,391,272
$20,000 to $49,999	265	(3)	(3)	3,292	(3)	(3)	8,328,457	(3)	(3)	4,930,679	(3)	(3)
$50,000 to $99,999	160	(3)	(3)	2,918	(3)	(3)	11,063,605	(3)	(3)	5,676,996	(3)	(3)
$100,000 to $499,999	260	229	218	15,519	12,010	42,296	60,178,453	52,592,280	68,258,491	27,307,107	21,793,680	27,147,965
$100,000 to $249,999	159	(3)		6,532	(3)		25,084,640	(3)		11,657,774	(3)	
$250,000 to $499,999	101	(3)		8,987	(3)		35,093,813	(3)		15,649,333	(3)	
$500,000 to $999,999	84	95		17,611	13,175		59,069,469	67,156,308		25,438,374	26,820,496	
$1,000,000 and over	108	105	17	64,951	45,500	15,016	239,817,043	234,775,945	24,887,694	91,035,180	90,435,300	8,897,432
$1,000,000 to $2,499,999	77	(3)	(3)	34,740	(3)	(3)	118,244,907	(3)	(3)	47,290,205	(3)	(3)
$2,500,000 to $4,999,999	25	(3)	(3)	22,213	(3)	(3)	81,336,324	(3)	(3)	33,742,609	(3)	(3)
$5,000,000 and over	6	(3)	(3)	7,998	(3)	(3)	40,235,812	(3)	(3)	10,002,366	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,659	2,004	108,777	79,450	$385,892,252	$381,452,984	$159,350,649	$153,466,600
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	720	728	99,178	72,520	361,669,918	357,107,899	146,315,271	141,702,304
Other forms of ownership or control (individual, partnership, etc.)	939	1,276	9,599	6,930	24,222,334	24,345,085	13,035,378	11,764,296
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	267	(1)	47,296	(1)	182,853,958	(1)	70,339,668	(1)
Independent (single-unit)	1,392	(1)	61,481	(1)	203,038,294	(1)	89,010,981	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water-turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	527,326	234,018	1,215	134,969	71	61,888	84	2,065	75	35,096	33,109	293,308	6,237	60,478
1927	478,245	227,615	768	133,369	59	53,836	69	2,226	389	38,184	26,783	250,630	4,889	62,208
1925	423,359	232,425	988	153,593	54	37,779	74	1,992	84	39,061	20,530	190,934	5,908	77,140
1919 [1]	395,466	257,905	1,370	191,745	38	22,974	257	2,472	126	40,714	7,985	137,561	1,275	36,587
1914 [1]	335,710	251,956	[2] 1,679	[2] 207,480	(3)	(3)	233	2,063	165	42,413	4,418	83,754	681	28,234
Counties in which aggregate horsepower exceeded 25,000: 1929														
Anderson	46,932	24,007	17	9,840	6	7,545			5	6,622	2,709	22,925	1,361	9,705
Charleston	28,752	9,838	43	4,885	9	4,452	13	501			959	18,914	12	251
Greenville	60,781	22,726	37	[4] 12,655	6	7,166	1	(4)	9	2,905	6,791	38,055	376	6,910
Spartanburg	78,876	35,791	25	14,674	7	8,577	2	15	32	12,525	4,306	43,085	1,960	8,400

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	527,326	234,018	293,308	60,478	Jasper	1,162	1,155	7	60
					Kershaw	4,050	1,615	2,435	
Abbeville	4,693	3,490	1,203	2,272	Lancaster	13,550	12,840	710	7,866
Aiken	16,131	5,958	10,173	168	Laurens	11,555	531	11,024	
Allendale	772	540	232		Lee	1,127	509	618	
Anderson	46,932	24,007	22,925	9,705					
Bamberg	1,607	1,260	347	400	Lexington	6,334	3,030	3,304	125
					McCormick	1,157	[2] 1,157	(3)	
Barnwell	1,264	1,150	114	500	Marion	6,850	4,365	2,485	1,648
Beaufort	893	700	193		Newberry	13,908	4,126	9,782	
Berkeley	2,976	2,972	4	1,200	Oconee	11,005	5,992	5,013	55
Calhoun	807	715	92						
Charleston	28,752	9,838	18,914	251	Orangeburg	4,946	4,450	496	100
					Pickens	10,569	7,057	3,512	912
Cherokee	15,863	5,619	10,244	766	Richland	24,445	2,585	21,860	
Chester	10,108	690	9,418	220	Saluda	1,151	1,056	95	
Chesterfield	3,067	1,094	1,973		Spartanburg	78,876	35,791	43,085	8,400
Clarendon	2,623	2,600	23	1,296					
Colleton	2,143	2,027	116		Sumter	6,459	3,825	2,634	(2)
					Union	23,810	6,464	17,346	
Darlington	16,289	6,977	9,312	1,540	Williamsburg	323	300	23	
Dillon	2,712	905	1,807		York	17,708	1,512	16,196	540
Dorchester	2,512	2,392	120	(2)	All other counties [4]	24,403	2,763	21,640	(2)
Edgefield	1,949	1,629	320						
Florence	4,854	3,147	1,707	300					
Georgetown	6,306	6,288	18	4,221					
Greenville	60,781	22,726	38,055	6,910					
Greenwood	24,647	21,067	3,580	10,327					
Hampton	3,230	3,080	150	442					
Horry	2,027	2,024	3	120					

[1] Electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately to avoid disclosing data for a single establishment.
[3] Item for electric motors included with that for prime movers to avoid disclosing data for a single establishment.
[4] Fairfield and Marlboro Counties.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Qunatity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	881,008	$3,342,813	841,250	849,001	835,032	763,985	686,085
Anthracite (tons, 2,240 lbs.)	25,503	122,720	(3)	12,194	14,451	8,589	9,314
Bituminous (tons, 2,000 lbs.)	852,445	3,220,093	(3)	835,344	818,847	754,365	675,653
Coke (tons, 2,000 lbs.)	8,706	62,947	(4)	(4)	17,346	13,597	4,444
Fuel oils, including crude oils and gas oils (gallons) [5]	13,749,169	431,003	(4)	(4)	1,607,130	1,314,180	372,330
Gasoline and kerosene (gallons) [5]	241,871	42,208	(4)	(4)	313,866		
Gas, natural (M cu. ft.)							
Gas, manufactured (M cu. ft.)	726,553	163,260	(4)	(4)	35,583	3,812	1,448
Other fuels		114,962	(4)	(4)	(4)	(4)	(4)
Electric energy purchased (kilowatt-hours)	660,456,682	8,201,316	(6)	(4)	(4)	(4)	(4)
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 12,358,509	$12,739,934	(6)	$7,569,770	$4,137,716	$3,106,324

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group, "Other industries." Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	1,659	[3] 5,099	108,777	234,018	293,308	$12,800,005	$73,223,327	$214,617,334	$11,924,269	$385,892,252	$159,350,649
Beverages	80	116	395	65	913	303,905	415,417	1,433,851	47,152	3,707,359	2,226,356
Boxes, wooden, except cigar boxes	7	14	331	625	413	56,023	231,730	500,321	9,439	958,539	448,779
Bread and other bakery products	46	117	730	.....	1,311	229,188	803,956	1,882,795	92,695	4,016,137	2,040,647
Butter	5	5	6	10	65	7,740	5,477	117,990	1,776	149,403	29,637
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	10	23	546	578	7	28,780	146,977	319,115	22,220	678,031	336,696
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	12	17	179	407	29	27,441	69,342	488,023	7,971	751,119	255,125
Car and general construction and repairs, steam-railroad repair shops	9	84	1,773	358	3,791	224,355	2,516,192	1,793,241	104,720	4,638,508	2,740,547
Caskets, coffins, burial cases, and other morticians' goods	4	12	115	195	132	24,030	82,594	168,612	4,575	377,179	203,992
Clay products (other than pottery) and nonclay refractories	22	52	670	930	3,252	128,912	387,087	48,919	322,768	1,284,427	912,740
Coffee and spice, roasting and grinding	7	6	12	.....	92	9,175	12,547	264,377	4,996	342,338	72,965
Concrete products	10	13	66	25	112	32,682	50,503	120,508	3,833	282,205	157,864
Confectionery	5	8	61	24	30	14,210	33,001	104,609	6,325	218,337	107,403
Cooperage	5	5	68	270	.....	8,700	40,230	92,438	.....	185,886	93,448
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	4	3	20	.....	15	3,370	24,171	42,669	1,327	84,847	40,851
Cotton goods	159	1,636	71,731	149,511	209,129	4,958,650	46,758,560	138,013,308	8,721,067	241,435,659	94,701,284
Dyeing and finishing textiles	11	165	1,939	1,635	6,383	472,343	1,690,178	2,342,240	305,893	8,555,189	5,907,056
Feeds, prepared, for animals and fowls	7	12	38	145	855	18,049	28,551	890,424	11,534	927,350	106,392
Fertilizers	48	302	1,696	1,497	10,109	614,979	1,049,862	10,310,157	165,446	14,050,480	3,574,877
Flour and other grain-mill products	23	26	77	331	1,443	64,990	63,024	1,632,064	22,067	1,989,928	335,797
Foundry and machine-shop products, not elsewhere classified	19	31	241	235	594	65,231	259,166	143,524	19,829	649,265	485,912
Furniture, including store and office fixtures	8	16	77	107	391	41,127	59,230	285,417	8,424	553,724	259,883
Gas, manufactured, illuminating and heating	9	74	202	1,004	556	113,090	189,007	194,815	325,881	1,655,156	1,134,460
Ice cream	18	55	109	.....	960	114,892	127,497	687,648	44,941	1,458,806	726,307
Ice, manufactured	82	157	624	2,508	9,346	281,965	499,717	179,591	345,077	2,643,579	2,121,211
Knit goods	12	42	983	105	1,565	115,581	627,575	1,596,605	50,318	2,828,522	1,181,599
Lumber and timber products, not elsewhere classified	627	658	15,720	52,133	2,008	1,704,240	9,499,466	8,677,598	182,490	27,935,772	19,075,684
Marble, granite, slate, and other stone products	12	17	111	38	574	33,224	145,493	97,099	7,818	410,355	305,438
Mattresses and bed springs, not elsewhere classified	7	10	32	40	171	14,945	20,636	82,694	2,557	151,222	65,971
Oil, cake, and meal, cottonseed	38	215	869	7,270	14,075	367,230	508,245	9,437,552	335,440	11,405,489	1,632,497
Paints and varnishes	3	17	16	.....	156	50,860	11,390	146,305	2,015	269,169	120,849
Patent and proprietary medicines and compounds	4	3	10	.....	2	7,400	9,373	27,661	290	78,355	50,404
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	82	181	1,478	6,739	2,965	372,424	937,101	5,646,230	55,085	8,610,216	2,908,901
Printing and publishing, book and job	39	103	316	.....	413	241,433	394,862	381,120	18,897	1,334,616	934,599
Printing and publishing, newspaper and periodical	70	392	609	19	1,024	784,302	797,754	777,549	44,960	4,153,834	3,331,325
Textile machinery and parts	9	35	255	.....	1,089	96,265	256,718	382,094	24,491	997,101	590,516
Wood turned and shaped and other wooden goods, not elsewhere classified	6	8	69	55	99	20,850	63,473	67,363	4,584	240,937	168,990
Other industries	140	469	6,693	7,159	19,239	1,147,514	4,407,245	25,321,508	597,368	35,882,823	9,963,947

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 349 employees of central administrative offices, with salaries aggregating $938,610. See GENERAL EXPLANATIONS—Persons Engaged.

TABLE 13.—GENERAL STATISTICS FOR GREENVILLE AND SPARTANBURG COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each of the two important industrial counties in the State, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group, "Other industries." Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
GREENVILLE COUNTY											
All industries, total	112	643	15,976	22,726	38,055	$1,971,951	$11,099,674	$30,501,210	$1,806,833	$57,887,553	$25,579,510
Bread and other bakery products	7	13	78	.....	146	20,761	86,624	175,437	10,347	430,294	244,510
Cotton goods	23	263	12,428	13,871	28,323	894,838	8,314,658	21,382,218	1,326,820	40,013,286	17,304,228
Dyeing and finishing textiles	5	83	868	1,625	2,337	297,541	836,120	1,075,469	160,921	3,761,097	2,524,707
Fertilizers	3	7	43	60	335	16,657	27,601	307,536	2,831	418,206	107,839
Ice, manufactured	6	14	76	125	1,193	29,536	51,393	12,047	37,115	338,804	289,642
Lumber and timber products, not elsewhere classified	13	1	42	310	12	(1)	15,992	20,603	35	76,987	56,349
Printing and publishing, book and job	5	12	41	.....	46	31,654	51,719	53,021	2,203	184,918	129,694
Textile machinery and parts	6	18	152	.....	444	46,079	151,598	258,181	12,636	622,792	351,975
Other industries	44	232	2,248	735	5,019	634,885	1,563,969	7,216,698	253,925	12,041,189	4,570,566
SPARTANBURG COUNTY											
All industries, total	99	532	12,265	35,791	43,085	$1,329,472	$8,602,742	$26,448,353	$1,389,827	$46,613,101	$18,774,921
Beverages	4	8	29	.....	57	16,758	34,832	101,012	3,713	278,750	174,025
Bread and other bakery products	5	26	118	.....	261	51,138	140,426	429,862	9,574	798,905	359,469
Cotton goods	25	206	9,971	34,545	33,523	640,685	6,531,340	18,960,460	1,097,373	32,136,549	12,078,716
Fertilizers	7	18	127	.....	820	28,283	88,384	1,330,535	8,612	1,652,232	313,085
Foundry and machine-shop products, not elsewhere classified	3	4	46	110	120	6,115	51,085	24,255	5,252	97,819	68,312
Lumber and timber products, not elsewhere classified	4	.....	11	35	30	.....	4,549	6,175	.....	28,900	22,725
Oil, cake, and meal, cottonseed	5	23	106	675	1,621	36,620	51,979	1,162,366	38,170	1,361,075	160,539
Other industries	46	247	1,837	426	6,653	549,873	1,700,147	4,433,688	227,133	10,258,871	5,598,050

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

SOUTH DAKOTA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size.]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	615	6,535	31,297	12,889	18,408	$8,132,240	$75,016,424	$73,544,176	$1,472,248	$97,697,636	$22,681,212
1927	472	5,551	24,676	11,086	13,590	6,785,893	63,619,877	62,252,264	1,367,613	83,001,163	19,381,286
1925	504	5,151	21,463	10,488	10,975	6,208,088	46,941,826	(4)	(4)	63,432,674	16,490,848
1923	489	5,146	16,458	7,236	9,222	6,210,607	33,673,093	(4)	(4)	47,320,901	13,647,808
1921	574	4,635	(5)	(5)	(5)	6,350,033	26,846,398	(4)	(4)	41,557,756	14,711,358
1919	1,414	6,382	22,176	11,949	10,227	7,905,426	42,985,870	41,821,013	1,164,857	62,170,782	19,184,912
1914	898	3,788	16,324	11,910	4,414	2,628,152	17,079,357	16,551,758	527,599	24,138,566	7,059,209
1909	1,020	3,602	17,663	15,980	1,683	2,297,512	11,476,350	10,968,495	507,855	17,870,135	6,393,785
1904	686	2,492	11,144	10,963	181	1,421,680	8,696,831	8,421,699	275,132	13,085,333	4,388,502
1899	624	2,224	11,763	11,663	100	1,129,787	6,483,677	(5)	(5)	9,529,946	3,046,269
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	30.3	17.7	26.8	16.3	35.5	19.8	17.9	18.1	7.7	17.7	17.0
1925–1927	—6.3	7.8	15.0	5.7	23.8	9.3	35.5			30.8	17.5
1923–1925	3.1	0.1	30.4	44.9	19.0	(7)	39.4			34.0	20.8
1921–1923	—14.8	11.0				—2.2	25.4			13.9	—7.2
1919–1921	—59.4	—27.4				—19.7	—37.5			—33.2	—23.3
1919–1929	—56.5	2.4	41.1	7.9	80.0	2.9	74.5	75.9	26.4	57.1	18.2
1909–1919	38.6	77.2	25.6	—25.2	507.7	244.1	274.6	281.3	129.4	247.9	200.1
1899–1909	63.5	62.0	50.2	37.0	1,583.0	103.4	77.0			87.5	109.9

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products includes considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.
[7] Less than one-tenth of 1 per cent.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

[This table gives statistics for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing an approximation of the data supplied by individual establishments. Certain of the other counties, however, reported larger numbers of wage earners or larger values of products than some of the counties shown separately]

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	692,849	615	6,535	31,297	$8,132,240	$75,016,424	$73,544,176	$1,472,248	$97,697,636	$22,681,212
Counties										
Aurora	7,139	6	11	115	11,523	251,795	249,539	2,256	301,977	50,182
Beadle	22,917	24	619	2,801	844,934	9,871,077	9,730,207	140,870	11,521,263	1,650,186
Bon Homme	11,737	10	14	153	12,173	51,017	47,663	3,354	98,429	47,412
Brookings	16,847	15	43	225	46,417	611,725	601,006	10,719	839,404	227,479
Brown	31,458	35	525	1,968	681,305	2,654,787	2,526,682	128,105	4,528,880	1,874,093
Brule	7,416	10	47	133	50,739	135,252	130,691	4,561	341,028	205,776
Butte	8,589	9	107	2,537	212,803	1,618,506	1,507,544	110,962	2,213,767	595,261
Charles Mix	16,703	12	22	220	22,037	230,989	223,881	7,108	313,469	82,480
Clay	10,088	5	18	32	26,323	61,007	58,665	2,342	125,776	64,769
Codington	17,457	30	300	1,279	409,045	8,594,299	8,500,654	93,645	10,220,504	1,626,205
Custer	5,353	20	166	879	183,176	116,440	111,039	5,401	385,563	269,123
Davison	16,821	23	323	1,004	428,212	2,507,193	2,456,385	70,808	3,929,188	1,421,995
Day	14,606	12	60	192	57,450	1,521,389	1,506,969	14,420	1,795,946	274,557
Fall River	8,741	9	41	301	49,274	165,500	147,939	17,561	322,155	156,655
Grant	10,729	10	75	432	122,161	285,393	269,104	16,289	560,089	274,696
Gregory	11,420	9	25	181	27,410	361,584	355,280	6,304	448,675	87,091
Hamlin	8,299	8	16	68	17,182	342,235	337,412	4,813	430,962	88,737
Hughes	7,009	8	86	93	117,210	123,494	111,908	11,586	344,002	220,508
Hutchinson	13,904	8	17	145	16,975	286,486	281,495	4,991	361,147	74,661
Kingsbury	12,805	12	28	94	32,964	353,576	348,590	4,986	467,800	114,224
Lake	12,379	8	66	184	99,649	356,374	343,699	12,675	527,941	171,567
Lawrence	13,920	22	189	834	238,026	418,831	405,880	12,951	896,860	478,029
Lincoln	13,918	9	30	103	38,750	152,941	148,610	4,331	245,930	92,989
Marshall	9,540	5	10	37	8,543	53,918	52,833	1,085	82,023	28,105
Meade	11,482	9	27	604	31,744	80,945	59,138	21,807	170,299	89,354
Miner	8,376	10	15	43	14,767	45,881	44,623	1,258	94,772	48,891
Minnehaha	50,872	89	2,437	8,851	2,837,127	39,103,778	38,681,851	421,927	47,909,926	8,806,148
Pennington	20,079	35	753	5,397	919,859	1,491,022	1,253,741	237,281	3,445,177	1,954,155
Perkins	8,717	4	16	33	19,107	50,120	49,840	280	93,711	43,591
Roberts	15,782	11	25	111	24,041	216,912	212,602	4,310	296,273	79,361
Spink	15,304	8	34	359	42,324	313,949	302,807	11,142	445,499	131,550
Tripp	12,712	9	17	157	20,841	119,057	112,952	6,105	213,101	94,044
Turner	14,891	15	24	93	25,265	197,964	193,414	4,550	282,451	84,487
Union	11,480	9	15	43	16,518	130,356	127,820	2,536	181,367	51,011
Walworth	8,791	10	136	356	206,269	217,356	190,991	26,365	493,776	276,420
Yankton	16,589	14	59	254	64,961	647,384	630,827	16,557	924,748	277,364
All other counties [3]	187,979	73	139	986	155,136	1,275,902	1,249,895	26,007	1,843,958	568,056
Cities having 10,000 inhabitants or more [4]										
Aberdeen	16,465	29	516	1,865	671,749	2,639,392	2,514,410	124,982	4,474,576	1,835,184
Mitchell	10,942	20	312	981	417,328	2,442,810	2,373,781	69,029	3,829,489	1,380,679
Rapid City	10,404	22	569	2,234	677,645	1,153,583	1,113,377	40,206	2,404,492	1,250,909
Sioux Falls	33,362	75	2,393	8,604	2,790,864	38,522,981	38,112,926	410,055	47,179,710	8,656,729
Watertown	10,214	27	298	1,234	406,265	8,463,966	8,371,994	91,972	10,060,504	1,596,538

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Bennett, Clark, Corson, Deuel, Dewey, Douglas, Edmunds, Faulk, Haakon, Hand, Hanson, Harding, Hyde, Jackson, Jerauld, Jones, Lyman, McCook, McPherson, Mellette, Moody, Potter, Sanborn, Stanley, Sully, Todd, and Ziebach Counties. (See headnote.) No manufacturing was reported from Armstrong, Buffalo, Campbell, Shannon, Washahaugh, and Washington Counties.
[4] Not including Huron, which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for this city from separate publication in order to avoid disclosing approximations of the data for individual establishments located outside the city but within Beadle County.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	8,204	6,985	1,219	401	378	23	[2] 169	[3] 160	9	[2] 1,099	[2] 786	[2] 313	6,535	[3] 5,661	[3] 874
1919 [1,4]	9,034	7,954	1,080	1,410	1,373	37	134	127	7	1,108	735	373	6,382	5,719	663
1914 [4]	5,346	4,712	634	762	730	32	71	70	1	725	577	148	3,788	3,335	453
1909	5,226	4,588	638	942	906	36	96	95	1	586	442	144	3,602	3,145	457

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 5 (male). Other salaried officers and employees—total, 6; male, 3; female, 3. The corresponding data for 1919 and earlier years are included in the respective items for those years but can not be given separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	6,535	6,703	6,548	6,389	*6,275*	6,294	6,547	6,651	6,611	6,482	6,531	6,589	**6,800**	92.3
1919 [1]	6,382	5,864	*5,805*	5,987	5,966	6,205	6,418	6,554	6,657	6,776	6,722	6,718	**6,902**	84.1
1914 [1]	**3,788**	3,490	*3,462*	3,560	3,588	3,715	3,794	3,878	3,992	3,990	4,087	4,007	3,893	84.7
1909 [1]	3,602	*3,108*	3,235	3,374	3,373	3,543	3,763	3,824	3,779	**3,925**	3,860	3,869	3,572	79.2

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	615	6,535	45 and over but under 48	3	6
			48	124	1,620
Not reported	156	328	Over 48 but under 54	27	314
Under 40	12	48	54	76	1,123
40	[1] 24	[1] 1,586	Over 54 but under 60	27	444
Over 40 but under 44			60 and over	166	1,066
44 and over but under 45					

[1] Combined to avoid disclosing data for individual establishments.

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	615	1,414	1,020	6,535	6,382	3,602	51 to 100	6	6	4	455	356	**310**
							101 to 250	5	5	3	813	875	484
No wage earners	20	263	146				251 to 500	[1] 3	2		[1] 2,145	652	
1 to 5	438	997	767	1,001	1,924	1,456	501 to 1,000		1			669	
6 to 20	116	119	83	1,268	1,262	835	1,001 to 2,500						
21 to 50	27	21	17	853	644	517							

[1] Combined to avoid disclosing data for individual establishments.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	615	1,414	1,020	6,535	6,382	3,602	$97,697,636	$62,170,782	$17,870,135	$22,681,212	$19,184,912	$6,393,785
Less than $5,000	[2]	485	533	[2]	280	558	[2]	1,374,563	1,264,398	[2]	953,642	876,341
$5,000 to $19,999	338	588	309	694	1,219	878	3,386,598	5,863,395	3,144,801	2,095,411	3,554,177	1,541,435
$20,000 to $99,999	178	265	142	1,105	1,552	1,056	8,348,485	11,566,552	5,652,440	3,595,471	4,226,836	1,923,520
$20,000 to $49,999	109	[3]	[3]	590	[3]	[3]	3,516,536	[3]	[3]	1,759,301	[3]	[3]
$50,000 to $99,999	69	[3]	[3]	515	[3]	[3]	4,831,949	[3]	[3]	1,836,170	[3]	[3]
$100,000 to $499,999	83	61		1,899	1,405		19,019,323	11,899,576		7,305,856	3,936,068	
$100,000 to $249,999	54	[3]		829	[3]		8,450,823	[3]		3,423,361	[3]	
$250,000 to $499,999	29	[3]	36	1,070	[3]	1,110	10,568,500	[3]	7,808,496	3,882,495	[3]	2,052,489
$500,000 to $999,999	8	9		669	1,150		6,175,791	7,003,313		2,207,395	3,225,062	
$1,000,000 and over	8	6		2,168	776		60,767,439	24,463,383		7,477,079	3,289,127	
$1,000,000 to $2,499,999	5	[3]	[3]	386	[3]	[3]	8,069,271	[3]	[3]	1,964,267	[3]	[3]
$2,500,000 to $4,999,999		[3]	[3]		[3]	[3]		[3]	[3]		[3]	[3]
$5,000,000 and over	3	[3]	[3]	1,782	[3]	[3]	52,698,168	[3]	[3]	5,512,812	[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[2] No data.

[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	615	1,414	6,535	6,382	$97,697,636	$62,170,782	$22,681,212	$19,184,912
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	201	288	5,273	4,388	88,067,802	48,198,970	18,574,867	13,026,642
Other forms of ownership or control (individual, partnership, etc.)	414	1,126	1,262	1,994	9,629,834	13,971,812	4,106,345	6,158,270
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	67	(1)	3,973	(1)	71,108,468	(1)	12,081,920	(1)
Independent (single-unit)	548	(1)	2,562	(1)	26,589,168	(1)	10,599,292	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE: 1929, 1927, 1925, 1919, AND 1914

CENSUS YEAR	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers									Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
1929	31,297	12,889	103	8,677	11	2,711	38	1,279	4	222	3,356	18,408	364	7,961
1927	24,676	11,086	87	6,136	11	2,694	61	1,842	8	414	2,313	13,590	206	5,012
1925	21,463	10,488	117	6,559	7	2,650	48	986	6	293	2,046	10,975	82	3,949
1919 [1]	22,176	11,949	170	8,270	2	90	444	3,282	9	307	2,032	10,227	73	903
1914 [1]	16,324	11,910	[2] 186	[2] 8,972	(3)	(3)	343	2,364	19	574	699	4,414	24	218

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See headnote on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	31,297	12,889	18,408	7,961
COUNTIES				
Aurora	115	50	65	
Beadle	2,801	719	2,082	940
Bon Homme	153	68	85	
Brookings	225	65	160	
Brown	1,968	215	1,753	260
Brule	133	20	113	
Butte	2,537	2,322	215	1,794
Charles Mix	220	42	178	
Clay	32		32	
Codington	1,279	237	1,042	
Custer	879	874	5	
Davison	1,004	173	831	
Day	192	27	165	
Fall River	301	178	123	125
Grant	432		432	
Gregory	181	60	121	
Hamlin	68	20	48	
Hughes	93	34	59	
Hutchinson	145	15	130	
Kingsbury	94		94	
Lake	184	27	157	
Lawrence	834	509	325	
Lincoln	103	3	100	
Marshall	37	18	19	
Meade	604	80	524	
Miner	43		43	
Minnehaha	8,851	1,448	7,403	
Pennington	5,397	4,918	479	4,785
Perkins	33	15	18	
Roberts	111	25	86	
Spink	359	120	239	
Tripp	157	75	82	
Turner	93	30	63	
Union	43	6	37	
Walworth	356	5	351	37
Yankton	254	70	184	20
All other counties [2]	986	421	565	

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Bennett, Clark, Corson, Deuel, Dewey, Douglas, Edmunds, Faulk, Haakon, Hand, Hanson, Harding, Hyde, Jackson, Jerauld, Jones, Lyman, McCook, McPherson, Mellette, Moody, Potter, Sanborn, Stanley, Sully, Todd, and Ziebach Counties. No manufacturing was reported from Armstrong, Buffalo, Campbell, Shannon, Washabaugh, and Washington Counties.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	132,283	$671,769	140,079	142,724	99,950	84,679	105,620
Anthracite (tons, 2,240 lbs.)	5,478	26,126	[3]	52,445	2,784	2,607	2,744
Bituminous (tons, 2,000 lbs.)	126,148	645,643	[3]	83,986	96,832	81,759	102,547
Coke (tons, 2,000 lbs.)	5,341	69,340	[4]	[4]	9,103	6,879	3,960
Fuel oils, including crude oils and gas oils (gallons) [5]	2,539,249	133,688	[4]	[4]	3,085,068	859,152	808,038
Gasoline and kerosene (gallons) [5]	56,807	9,670	[4]	[4]	216,930		
Gas, natural (M cu. ft.)	830,799	138,109	[4]	[4]	11,992	2,959	106,436
Gas, manufactured (M cu. ft.)	22,580	25,491	[4]	[4]	[4]	[4]	[4]
Other fuels		34,320	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	17,378,430	415,442	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 1,497,829	*Cost* $1,367,613	[6]	*Cost* $1,164,857	*Cost* $527,599	*Cost* $507,855

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents statistics for all industries for which separate figures can be given without disclosing, exactly or approximately, the data reported by individual establishments. Certain of the "Other industries," however, reported larger numbers of wage earners and larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	615	[3]1,268	6,535	12,889	18,408	[3]$2,558,447	$8,132,240	$73,544,176	$1,472,248	$97,697,636	$22,681,212
Beverages	19	12	36	12	115	16,146	40,230	103,120	5,401	248,660	140,139
Bread and other bakery products	139	72	731	5	1,400	153,707	807,591	2,407,752	119,363	4,826,519	2,299,404
Butter	83	164	439	403	3,117	242,581	495,636	15,159,602	163,415	17,981,061	2,658,044
Car and general construction and repairs, steam-railroad repair shops	15	64	775	275	1,043	168,895	1,212,823	451,286	109,726	1,942,730	1,381,718
Cigars and cigarettes	5	1	12	----	4	[4]	11,538	15,847	697	41,588	25,044
Coffee and spice, roasting and grinding	4	10	10	----	40	12,069	7,843	176,495	2,114	239,563	60,954
Concrete products	11	16	30	14	101	27,726	39,780	89,341	2,789	227,098	134,968
Cooper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	4	16	38	----	105	50,946	71,265	279,540	3,216	550,360	267,544
Flour and other grain-mill products	19	32	46	923	1,084	74,925	58,074	1,167,741	38,466	1,636,626	430,419
Foundry and machine-shop products, not elsewhere classified	11	22	93	----	269	59,169	106,379	88,060	8,554	544,024	447,410
Gas, manufactured, illuminating and heating	8	36	70	108	296	68,920	99,447	135,313	169,518	801,811	496,980
Ice cream	13	19	65	100	450	29,848	82,214	462,564	23,878	905,332	418,890
Ice, manufactured	6	7	16	120	380	17,300	15,919	3,587	16,181	103,352	83,584
Lumber and timber products, not elsewhere classified	34	27	852	3,526	5	74,220	964,625	327,025	20,392	1,681,940	1,334,523
Meat packing, wholesale	4	266	1,796	2,182	5,313	494,814	2,035,298	47,264,412	313,032	53,173,339	5,595,895
Patent or proprietary medicines and compounds	4	13	23	170	145	29,900	25,680	64,396	14,063	214,588	136,099
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	12	30	133	50	1,319	57,247	144,178	417,793	12,445	777,073	346,835
Poultry killing, dressing, and packing, wholesale	8	29	125	10	195	41,267	111,452	1,834,123	14,057	2,229,118	380,938
Printing and publishing, book and job	26	73	128	----	201	146,715	183,881	167,723	9,463	657,684	480,498
Printing and publishing, newspaper and periodical	149	266	532	26	1,346	565,336	808,945	640,779	62,664	3,663,653	2,960,210
Other industries	41	93	585	4,965	1,480	226,716	809,442	2,287,677	362,814	5,251,607	2,601,116

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[3] Not including data for 11 employees of central administrative offices, with salaries aggregating $19,500. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Withheld to avoid disclosing compensation of an individual officer or employee; included in item for "Other industries."

TENNESSEE

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establisbments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[4]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers[3]	Fuel and purchased energy		
1929	2,855	128,400	606,704	264,101	342,603	$115,877,077	$407,610,550	$390,520,831	$17,089,719	$730,508,612	$322,898,062
1927	2,098	114,968	475,243	235,559	239,684	101,197,846	351,436,325	336,374,838	15,061,487	614,040,524	262,604,199
1925	2,162	107,645	447,529	240,774	206,755	95,255,480	358,097,155	(5)	(5)	601,488,472	243,391,317
1923	2,307	106,504	391,465	229,380	162,085	92,481,539	334,111,145	(5)	(5)	555,265,596	221,154,451
1921	2,245	75,446	(6)	(6)	(6)	65,741,045	225,951,368	(5)	(5)	374,038,316	148,086,948
1919	4,589	95,167	338,732	240,458	98,274	81,355,256	344,766,730	330,552,028	14,214,702	556,253,162	211,486,432
1914	4,775	74,373	286,844	228,986	57,858	33,082,987	123,430,135	118,301,172	5,128,963	212,071,489	88,641,354
1909	4,609	73,840	241,638	226,972	14,666	28,251,591	104,015,834	98,824,384	5,191,450	180,216,548	76,200,714
1904	3,175	60,572	175,353	173,123	2,230	22,805,628	79,351,746	76,153,655	3,198,091	137,960,476	58,608,730
1899	3,116	45,963	129,794	128,424	1,370	14,727,506	54,559,039	(7)	(7)	92,749,129	38,190,090
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	36.1	11.7	27.7	12.1	42.9	14.5	16.0	16.1	13.5	19.0	23.0
1925–1927	—3.0	6.8	6.2	—2.2	15.9	6.2	—1.9			2.1	7.9
1923–1925	—6.3	1.1	14.3	5.0	27.6	3.0	7.2			8.3	10.1
1921–1923	2.8	41.2				40.7	47.9			48.5	49.3
1919–1921	—51.1	—20.7				—19.2	—34.5			—32.8	—30.0
1919–1929	—37.8	34.9	79.1	9.8	248.6	42.4	18.2	18.1	20.2	31.3	52.7
1909–1919	—0.4	28.9	40.2	5.9	570.1	188.0	231.5	234.5	173.8	208.7	177.5
1899–1909	47.9	60.7	86.2	76.7	970.5	91.8	90.6			94.3	99.5

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Includes cost of foundry supplies for 1927 and earlier years, but not for 1929. See GENERAL EXPLANATIONS—Comparableness with Preceding Years—Scbedule Cbanges—Mill or Shop Supplies.
[4] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[5] Not reported separately.
[6] Not called for on schedule.
[7] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	2,616,556	2,855	128,400	606,704	$115,877,077	$407,610,550	$390,520,831	$17,089,719	$730,508,612	$322,898,062
Counties[3]										
Bedford	21,077	26	863	2,464	542,819	1,974,796	1,916,390	58,406	3,387,512	1,412,716
Benton	11,237	5	13	155	6,964	9,000	9,000		31,000	22,000
Bledsoe	7,128	6	17	141	10,474	50,077	48,682	1,395	92,016	41,939
Bradley	22,870	29	1,983	5,090	1,729,830	3,790,443	3,664,568	125,935	7,369,885	3,579,442
Campbell	26,827	20	497	1,718	429,194	582,179	562,716	19,463	1,515,008	932,829
Cannon	8,935	5	19	123	11,080	27,140	26,965	175	60,669	33,529
Carroll	26,132	21	247	1,203	286,041	275,634	259,259	16,375	705,180	429,546
Carter	29,223	21	3,555	14,007	2,806,607	2,436,387	2,286,546	149,841	8,636,113	6,199,726
Cheatham	9,025	4	11	125	8,587	40,211	39,101	1,110	62,586	22,375
Claiborne	24,313	12	50	217	24,910	36,883	36,383	500	83,734	46,851
Clay	9,577	5	12	116	6,320	12,430	12,430		27,825	15,395
Cocke	21,775	18	609	2,162	404,286	2,098,325	2,052,138	46,187	3,187,414	1,089,089
Coffee	16,801	25	378	2,362	237,677	984,184	959,002	25,182	1,550,893	566,709
Cumberland	11,440	10	58	259	59,707	52,084	43,384	8,700	175,020	122,936
Davidson	222,854	284	20,043	87,977	20,490,340	75,475,309	73,109,647	2,365,662	139,888,279	64,412,970
De Kalb	14,213	7	26	165	15,478	31,187	30,843	344	83,033	51,846
Dickson	18,491	24	391	1,404	181,307	603,279	584,051	19,228	1,105,691	502,412
Dyer	31,405	26	1,262	3,146	666,818	2,476,626	2,403,900	72,726	3,934,544	1,457,918
Fayette	28,891	6	11	125	8,009	32,845	31,527	1,318	64,151	31,306
Fentress	11,036	25	215	1,146	146,356	151,113	149,930	1,183	442,618	291,505

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties[3]—Continued										
Franklin	21,796	29	339	7,101	$299,859	$899,098	$630,597	$268,501	$1,949,423	$1,050,325
Gibson	46,528	31	1,213	3,386	681,853	2,980,861	2,913,451	67,410	4,763,175	1,782,314
Giles	28,016	17	341	742	157,292	369,574	364,345	5,229	800,249	430,675
Grainger	12,737	10	34	245	13,227	39,009	38,539	470	86,562	47,553
Greene	35,119	19	268	1,343	215,399	1,461,505	1,434,066	27,439	2,253,650	792,145
Grundy	9,717	18	284	749	196,919	203,557	149,079	54,478	585,760	382,203
Hamblen	16,616	32	499	2,841	319,147	2,401,621	2,354,029	47,592	3,409,523	1,007,902
Hamilton[4]	159,497	271	21,033	81,917	20,241,221	61,985,990	58,483,180	3,502,810	114,309,637	52,323,647
Hardeman	22,193	13	56	613	40,084	96,327	94,942	1,385	221,223	124,896
Hardin	16,213	10	63	423	33,721	50,080	49,850	230	178,018	127,938
Hawkins	24,117	10	38	389	21,558	185,128	183,200	1,928	248,040	62,912
Haywood	26,063	15	105	464	60,836	223,156	214,399	8,757	522,032	298,876
Henry	26,432	24	872	1,273	870,840	941,806	905,795	36,011	2,741,146	1,799,340
Humphreys	12,039	16	97	458	57,135	283,653	279,958	3,695	432,405	148,752
Jefferson	17,914	15	81	558	37,205	293,497	288,517	4,980	434,630	141,133
Johnson	12,209	8	127	907	97,092	169,952	169,252	700	369,467	199,515
Knox[4]	155,902	189	15,865	63,998	14,626,599	36,362,790	34,739,378	1,623,412	68,995,325	32,632,535
Lauderdale	23,406	17	225	745	155,053	299,276	289,483	9,793	770,173	470,897
Lawrence	26,776	45	176	1,221	112,276	389,350	384,201	5,149	665,185	275,835
Lewis	5,258	12	55	275	31,847	41,274	41,274		110,711	69,437
Lincoln	25,422	20	261	1,894	140,913	1,326,018	1,294,165	31,853	1,872,831	546,813
Loudon	17,805	21	5,225	4,614	2,965,585	10,419,433	10,195,682	223,751	15,796,203	5,376,770
McMinn	29,013	36	2,286	3,460	2,154,780	2,408,721	2,339,849	81,872	5,607,061	3,198,340
McNairy	19,901	7	30	205	16,405	19,316	18,900	416	56,840	37,524
Macon	13,872	7	27	217	14,341	31,006	30,926	80	78,425	47,419
Madison	51,059	46	2,881	13,079	2,714,523	6,390,878	6,145,359	245,519	12,255,603	5,864,725
Marion	17,549	19	1,055	12,777	851,089	979,529	668,116	311,413	3,134,417	2,154,888
Marshall	15,574	17	312	1,868	278,311	1,677,265	1,939,560	37,705	2,752,424	775,159
Maury	34,016	37	542	3,057	405,985	2,418,115	2,211,424	206,691	4,247,129	1,829,014
Meigs	6,127	20	84	434	50,730	79,640	79,640		199,450	119,810
Monroe	21,377	41	911	3,952	664,197	1,303,878	1,252,486	51,392	2,646,280	1,342,402
Montgomery	30,882	28	600	3,086	398,487	3,264,113	3,213,991	50,122	5,125,722	1,861,609
Obion	29,086	24	868	1,066	584,998	2,790,709	2,761,838	28,871	4,760,278	1,969,569
Overton	18,079	20	123	528	82,707	117,537	117,507	30	338,888	221,351
Perry	7,147	10	162	364	126,850	66,511	62,761	3,750	241,203	174,692
Pickett	5,615	6	20	129	12,520	23,951	23,951		53,250	29,299
Putnam	23,759	32	614	1,568	337,054	1,022,483	1,005,439	17,044	1,985,611	963,128
Rhea	13,871	17	636	1,120	345,848	739,181	706,460	32,721	1,383,107	643,926
Roane	24,477	36	1,902	10,065	1,221,875	4,066,428	3,248,504	817,924	6,284,253	2,217,825
Robertson	28,191	19	373	1,415	261,403	813,795	784,996	28,799	1,429,270	615,475
Rutherford	32,286	31	679	2,262	444,385	3,288,639	3,238,858	49,781	5,165,420	1,876,781
Scott	14,080	18	700	3,235	530,411	473,043	458,547	14,496	1,784,885	1,311,842
Sevier	20,480	21	226	1,296	101,658	433,514	424,456	9,058	723,053	289,539
Shelby[4]	306,482	473	19,521	137,088	20,747,405	113,214,594	111,355,762	1,858,832	191,694,645	78,480,051
Smith	15,473	11	62	409	39,104	143,246	136,761	6,485	287,050	143,844
Sullivan	51,087	54	4,238	29,315	3,826,561	10,386,159	9,637,684	748,475	19,420,635	9,034,476
Sumner	28,622	21	124	744	75,443	484,514	466,350	18,164	710,780	226,266
Tipton	27,498	11	129	1,100	106,595	584,258	551,871	32,387	958,006	373,748
Trousdale	5,629	10	93	251	41,022	127,825	122,755	5,070	312,662	184,837
Unicoi	12,678	9	772	3,993	988,855	1,572,560	1,214,366	358,194	3,034,555	1,461,995
Union	11,371	5	15	92	6,000	9,925	9,925		29,000	19,075
Warren	20,209	42	803	2,562	420,284	989,951	965,663	24,288	1,918,813	928,862
Washington	45,805	54	2,199	9,669	1,828,834	6,984,278	6,569,297	414,981	11,004,098	4,019,820
Wayne	12,134	22	180	1,148	140,307	161,730	159,914	1,816	436,926	275,196
Weakley	29,262	30	431	895	196,337	416,995	409,697	7,298	847,174	430,179
White	15,543	16	229	838	120,860	408,417	396,715	11,702	750,223	341,806
Williamson	22,845	12	82	792	69,368	769,274	757,537	11,737	1,105,674	336,400
Wilson	23,929	28	417	1,662	257,854	1,255,700	1,228,228	27,472	1,900,576	644,876
All other counties[5]	216,517	144	6,557	50,702	5,971,226	24,829,785	22,093,954	2,735,831	41,926,647	17,096,862
Cities having 10,000 inhabitants or more										
Bristol, Tennessee, and Virginia, total	20,845	63	2,812	8,313	2,375,218	8,214,168	7,873,531	340,637	13,776,091	5,561,923
Bristol, Tenn	12,005	17	430	699	316,173	1,530,913	1,482,462	48,451	2,805,914	1,275,001
Bristol, Va	8,840	46	2,382	7,614	2,059,045	6,683,255	6,391,069	292,186	10,970,177	4,286,922
Chattanooga	119,798	215	17,362	61,980	17,137,916	55,022,800	52,158,293	2,864,507	101,060,834	46,038,034
Jackson	22,172	33	1,250	6,165	1,246,270	3,048,889	2,897,746	151,143	6,451,160	3,402,271
Johnson City	25,080	35	2,141	9,112	1,788,882	6,740,839	6,329,903	410,936	10,639,366	3,898,527
Kingsport	11,914	25	3,714	27,828	3,408,286	8,303,458	7,608,954	694,504	15,864,762	7,561,304
Knoxville[6]	105,802	182	15,558	58,360	14,289,703	35,444,900	34,151,862	1,293,038	66,777,980	31,333,080
Memphis	253,143	427	15,921	113,668	16,712,221	99,356,718	97,823,560	1,533,158	169,702,182	70,345,464
Nashville[6]	153,866	256	14,179	44,736	14,534,280	65,853,567	64,298,473	1,554,994	111,122,235	45,268,768

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group, "All other counties." Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
[4] For statistics by industries for this county, see Table 13.
[5] Anderson, Blount, Chester, Crockett, Decatur, Hancock, Henderson, Hickman, Houston, Jackson, Lake, Moore, Morgan, Polk, Sequatchie, Stewart, and Van Buren Counties. See footnote 3.
[6] For statistics by industries for this city, see Table 14.

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TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	143,915	107,714	36,201	1,895	1,862	33	[2] 1,783	[2] 1,721	[2] 62	[2] 11,837	[2] 9,117	[2] 2,720	128,400	[3] 95,014	[4] 33,386
1919 [4]	113,300	91,611	21,689	4,892	4,754	138	1,798	1,720	78	11,443	8,950	2,493	95,167	76,187	18,980
1914 [4]	88,514	76,573	11,941	5,142	5,068	74	1,305	1,276	29	7,694	6,543	1,151	74,373	63,686	10,687
1909	87,672	77,277	10,395	5,415	5,303	112	1,216	1,203	13	7,201	6,123	1,078	73,840	64,648	9,192

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 217; male, 215; female, 2. Other salaried officers and employees—total, 1,069; male, 771; female, 298.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	128,400	*123,744*	125,838	127,033	127,376	124,556	127,441	129,616	133,373	**134,885**	133,075	129,401	124,452	91.7
1919 [1]	95,167	90,230	88,865	89,448	90,168	90,739	90,056	94,498	97,805	100,363	102,593	103,429	**103,610**	85.6
1914 [1]	74,373	73,538	74,236	76,116	77,312	76,040	76,450	76,034	76,047	75,559	72,672	70,269	*68,505*	88.2
1909 [1]	73,840	*69,305*	69,974	71,073	70,666	69,713	70,123	71,155	74,956	78,850	80,011	**80,676**	79,587	85.9

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	2,855	128,400	45 and over but under 48	68	2,610
			48	270	21,969
Not reported	803	2,759	Over 48 but under 54	345	25,601
Under 40	45	561	54	133	5,441
40	46	2,736	Over 54 but under 60	418	48,777
Over 40 but under 44	11	439	60 and over	535	14,753
44 and over but under 45	181	2,754			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	2,855	4,589	4,609	128,400	95,167	73,840	51 to 100	200	195	153	14,336	14,282	10,870
							101 to 250	188	166	116	30,131	25,609	17,173
No wage earners	41	668	306				251 to 500	64	42	27	22,987	14,224	9,175
1 to 5	1,454	2,390	2,505	4,721	4,988	6,214	501 to 1,000	21	17	9	13,795	11,534	6,301
6 to 20	585	784	1,174	6,360	8,576	12,403	1,001 to 2,500	15	3	1	[1] 26,571	5,088	1,303
21 to 50	286	324	318	9,499	10,866	10,401	2,501 and over	1					

[1] Combined to avoid disclosing the number of wage earners reported by an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	2,855	4,589	4,609	128,400	95,167	73,840	$730,508,612	$556,253,162	$180,216,548	$322,898,062	$211,486,432	$76,200,714
Less than $5,000	(2)	1,455	2,082	(2)	1,301	5,541	(2)	3,546,516	4,640,418	(2)	2,103,474	3,058,539
$5,000 to $19,999	1,201	1,411	1,352	4,004	4,427	8,675	12,077,738	14,711,027	13,380,348	7,030,830	7,969,122	7,335,137
$20,000 to $99,999	812	969	789	8,595	11,346	15,379	37,321,048	43,701,809	34,700,071	20,384,421	20,824,791	15,749,778
$20,000 to $49,999	515	(3)	(3)	4,046	(3)	(3)	16,388,202	(3)	(3)	9,665,396	(3)	(3)
$50,000 to $99,999	297	(3)	(3)	4,549	(3)	(3)	20,932,846	(3)	(3)	10,719,025	(3)	(3)
$100,000 to $499,999	506	508	369	27,856	27,181	37,822	118,871,814	120,787,584	96,928,666	58,000,559	54,241,775	40,751,742
$100,000 to $249,999	319	(3)		11,934	(3)		51,027,807	(3)		26,097,355	(3)	
$250,000 to $499,999	187	(3)		15,922	(3)		67,844,007	(3)		31,903,204	(1)	
$500,000 to $999,999	170	132		23,137	17,791		118,269,178	92,035,250		53,045,045	38,453,373	
$1,000,000 and over	166	114	17	64,808	33,121	6,423	443,968,834	281,470,976	30,567,045	184,437,207	87,893,897	9,305,518
$1,000,000 to $2,499,999	116	(3)	(3)	26,623	(3)	(3)	172,819,524	(3)	(3)	72,545,994	(1)	(3)
$2,500,000 to $4,999,999	35	(3)	(3)	21,519	(3)	(3)	122,755,955	(3)	(3)	48,488,177	(3)	(3)
$5,000,000 and over	15	(3)	(3)	16,666	(1)	(3)	148,393,355	(3)	(3)	63,403,036	(1)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	2,855	4,589	128,400	95,167	$730,508,612	$556,253,162	$322,898,062	$211,486,432
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,281	1,286	115,274	79,334	673,353,597	474,208,615	294,852,950	177,762,690
Other forms of ownership or control (individual, partnership, etc.)	1,574	3,303	13,126	15,833	57,155,015	82,044,547	28,045,112	33,723,742
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	440	(1)	63,064	(1)	385,823,642	(1)	167,607,219	(1)
Independent (single-unit)	2,415	(1)	65,336	(1)	344,684,970	(1)	155,290,843	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE: 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	606,704	264,101	1,705	161,281	144	89,993	194	8,832	103	3,995	32,710	342,603	15,390	122,975
1927	475,243	235,559	1,289	158,538	96	67,163	144	6,521	123	3,337	23,985	239,684	6,992	97,041
1925	447,529	240,774	1,532	170,958	89	60,855	139	5,091	97	3,870	18,616	206,755	4,121	60,440
1919 [1]	338,732	240,458	2,888	204,408	73	22,798	547	5,718	297	7,534	8,469	98,274	2,282	33,137
1914 [1]	286,844	228,986	[2] 3,581	[2] 216,156	(2)	(3)	346	3,435	385	9,395	4,509	57,858	1,474	25,249
Counties in which aggregate horsepower exceed 25,000: 1929														
Davidson	87,977	42,806	116	16,095	31	26,613	4	98	------	------	5,169	45,171	5,848	14,179
Hamilton	81,917	15,903	96	15,103	5	500	7	180	4	120	7,466	66,014	419	5,452
Knox	63,998	22,576	112	16,712	18	5,234	6	425	4	205	5,218	41,422	630	6,819
Polk	26,353	6,157	16	3,814	3	2,274	2	69	------	------	768	20,196	------	------
Shelby	137,088	60,378	230	42,144	38	16,910	13	1,324	------	------	4,099	76,710	3,982	52,462
Sullivan	29,315	9,538	29	2,953	5	6,390	------	------	7	195	1,780	19,777	440	10,362

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	606,704	264,101	342,603	122,975
Bedford	2,464	538	1,926	
Benton	155	155		
Bledsoe	141	75	66	
Bradley	5,090	2,582	2,508	2,049
Campbell	1,718	1,603	115	[2]
Cannon	123	90	33	
Carroll	1,203	1,007	196	
Carter	14,007	12,990	1,017	10,023
Cheatham	125	[3] 125	[3]	
Claiborne	217	196	21	
Clay	116	116		
Cocke	2,162	2,007	155	365
Coffee	2,362	2,004	358	
Cumberland	259	176	83	
Davidson	87,977	42,806	45,171	14,179
De Kalb	165	133	32	
Dickson	1,404	1,187	217	
Dyer	3,146	2,043	1,103	[2]
Fayette	125	120	5	
Fentress	1,146	1,146		
Franklin	7,101	545	6,556	30
Gibson	3,386	2,460	926	446
Giles	742	650	92	
Grainger	245	245		
Greene	1,343	928	415	262
Grundy	749	728	21	
Hamblen	2,841	1,498	1,343	36
Hamilton	81,917	15,903	66,014	5,452
Hardeman	613	576	37	
Hardin	423	[3] 423	[3]	
Hawkins	389	389		
Haywood	464	250	214	
Henry	1,273	590	683	192
Humphreys	458	327	131	
Jefferson	558	373	185	
Johnson	907	880	27	
Knox	63,998	22,576	41,422	6,819
Lauderdale	745	640	105	
Lawrence	1,221	1,025	196	
Lewis	275	[3] 275	[3]	
Lincoln	1,894	1,492	402	685
Loudon	4,614	630	3,984	
McMinn	3,460	1,251	2,209	545
McNairy	205	202	3	
Macon	217	215	2	
Madison	13,079	10,626	2,453	6,460
Marion	12,777	4,620	8,157	115
Marshall	1,868	1,168	700	480
Maury	3,057	1,222	1,835	249
Meigs	434	434		
Monroe	3,952	2,131	1,821	1,078
Montgomery	3,086	2,250	836	391
Obion	1,066	768	298	335
Overton	528	500	28	
Perry	364	364		
Pickett	129	129		
Putnam	1,568	1,232	336	
Rhea	1,120	676	444	450
Roane	10,065	9,490	575	4,285
Robertson	1,415	719	696	
Rutherford	2,262	1,170	1,092	225
Scott	3,235	3,160	75	2,472
Sevier	1,296	1,003	293	
Shelby	137,088	60,378	76,710	52,462
Smith	409	175	234	
Sullivan	29,315	9,538	19,777	10,362
Sumner	744	373	371	
Tipton	1,100	910	190	
Trousdale	251	148	103	
Unicoi	3,993	1,110	2,883	
Union	92	92		
Warren	2,562	1,905	657	307
Washington	9,669	3,435	6,234	630
Wayne	1,148	1,144	4	
Weakley	895	780	115	
White	838	583	255	
Williamson	792	672	120	63
Wilson	1,662	481	1,181	[2]
All other counties	50,702	14,545	36,157	1,499

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State, not shown separately to avoid disclosing data for a single establishment.
[3] Item for electric motors included with that for prime movers to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	2,641,152	$6,844,161	2,504,531	2,547,719	2,744,706	1,833,081	1,697,265
Anthracite (tons, 2,240 pounds)	14,684	63,237	[3]	24,520	5,675	2,231	14,115
Bituminous (tons, 2,000 pounds)	2,624,706	6,780,924	[3]	2,520,257	2,738,350	1,830,582	1,681,456
Coke (tons, 2,000 pounds)	285,386	[4] 1,545,217	[4]	[4]	475,310	371,945	691,282
Fuel oils, including crude oils and gas oils (gallons) [5]	11,024,209	631,004	[4]	[4]	4,195,758	2,692,746	2,734,536
Gasoline and kerosene (gallons) [5]	445,058	77,285	[4]	[4]	465,234		
Gas, natural (M cubic feet)	342,507	143,533	[4]	[4]	161,850	60,634	15,809
Gas, manufactured (M cubic feet)	1,135,684	193,641	[4]	[4]			
Other fuels		286,601	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	1,050,496,981	7,634,534	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 17,355,976	*Cost* $15,061,487	*Cost* [3]	*Cost* $14,214,702	*Cost* $5,128,963	*Cost* $5,191,450

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishment.
[4] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
All industries, total	2,855	[3] 13,620	128,400	264,101	342,603	[3] $33,203,137	$115,877,077	$390,520,831	$17,089,719	[3] $730,508,612	$322,898,062
Awnings, tents, sails, and canvas covers	11	23	59	-------	34	55,836	74,213	251,994	2,198	503,936	249,744
Bags, other than paper, not made in textile mills	5	79	696	-------	1,873	179,040	479,765	8,364,716	27,800	9,467,649	1,075,133
Belting, leather	7	15	26	-------	62	27,071	35,500	146,672	2,122	267,427	118,633
Beverages	93	133	657	2,683	1,294	382,473	737,989	2,019,815	71,512	5,589,865	3,498,538
Boots and shoes, other than rubber	5	168	2,116	214	1,204	409,270	1,588,976	6,248,378	51,579	10,982,577	4,682,620
Boxes, paper, not elsewhere classified	12	84	722	225	755	278,279	600,910	1,926,997	33,923	3,282,998	1,322,078
Boxes, wooden, except cigar boxes	16	66	1,001	2,660	669	166,081	704,276	1,417,539	15,467	2,627,856	1,194,850
Bread and other bakery products	131	230	2,124	410	3,044	483,618	2,126,581	6,194,173	222,206	13,939,048	7,522,669
Brooms	10	1	55	2	43	(4)	42,325	84,810	979	187,505	101,716
Butter	36	116	249	467	1,996	201,991	311,234	6,860,320	90,981	8,055,822	1,104,521
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	57	65	860	1,340	524	129,375	314,435	2,139,930	43,333	3,611,248	1,427,985
Car and general construction and repairs, electric-railroad repair shops	6	20	293	-------	837	41,750	384,914	220,228	16,992	663,884	426,664
Car and general construction repairs, steam-railroad repair shops	23	561	8,955	8,390	16,508	1,399,490	13,432,581	9,926,748	725,273	25,484,092	14,832,071
Carriages, wagons, sleighs, and sleds	4	18	93	165	170	39,528	72,012	169,463	8,117	365,879	188,299
Caskets, coffins, burial cases, and other mortICians' goods	15	65	535	860	668	170,691	509,827	1,078,934	30,607	2,415,387	1,305,846
Cast-iron pipe	5	41	1,363	575	1,246	98,819	1,462,719	1,737,193	191,323	4,523,548	2,595,032
Cement	6	138	669	4,545	32,689	462,464	893,782	761,134	1,279,933	5,737,929	3,696,862
Cereal preparations	7	43	113	36	495	101,740	103,796	4,890,087	10,460	5,596,189	695,642
Cheese	8	4	23	68	82	5,657	16,091	505,642	5,937	596,652	85,073
Chemicals, not elsewhere classified	8	197	1,360	530	11,620	509,463	1,901,489	5,465,641	2,109,606	18,819,789	11,244,542
Clay products (other than pottery) and nonclay refractories	28	135	1,205	3,115	5,750	250,329	947,083	121,425	429,997	2,786,437	2,235,015
Cleaning and polishing preparations	5	7	13	-------	36	11,129	9,239	43,937	1,241	91,498	46,320
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	11	132	1,273	722	133	198,629	713,693	1,630,764	31,077	3,219,995	1,558,154
Clothing, women's, not elsewhere classified	10	49	550	3	107	118,823	282,242	609,847	9,185	1,313,068	694,036
Clothing, work (including sheep-lined and blanket-lined work coats, but not including shirts), men's	15	98	1,631	15	338	260,915	833,839	4,067,673	24,604	6,025,645	1,933,368
Coffee and spice, roasting and grinding	21	107	314	-------	1,461	295,280	256,102	9,957,652	63,516	13,171,638	3,150,470
Compressed and liquefied gases	9	42	40	300	679	81,066	67,657	71,560	43,755	598,970	483,655
Concrete products	27	62	262	73	697	149,014	246,129	363,033	20,459	1,153,497	770,005
Condensed and evaporated milk	5	25	156	555	448	40,178	172,436	3,334,368	45,146	4,788,776	1,409,262
Confectionery	22	126	773	300	1,096	332,917	607,932	2,626,549	52,847	5,096,789	2,417,393
Cooperage	13	15	238	328	878	34,446	171,887	343,740	11,828	642,222	286,654
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	19	38	188	-------	281	104,563	187,500	974,317	13,375	1,579,347	591,655
Cotton goods	20	264	7,544	8,782	25,551	577,580	5,158,625	16,010,237	809,349	26,173,993	9,354,407
Druggists' preparations	6	54	102	-------	73	151,313	86,127	793,458	4,074	1,719,212	921,680
Dyeing and finishing textiles	7	139	3,565	175	4,585	377,696	2,321,981	9,830,202	264,059	15,903,816	5,809,555
Electrical machinery, apparatus, and supplies	4	31	373	6	309	129,025	337,287	724,102	24,028	1,797,239	1,049,109
Engraving, steel and copperplate, and plate printing	4	13	17	-------	11	14,131	22,549	16,686	1,070	72,559	54,803
Feeds, prepared, for animals and fowls	18	240	534	725	8,182	508,217	500,730	20,421,127	127,070	24,681,882	4,133,685
Fertilizers	10	102	638	45	5,631	224,221	521,380	4,243,843	83,673	7,061,986	2,734,470
Flavoring extracts and flavoring sirups	5	17	18	-------	32	40,935	17,637	188,447	1,452	416,086	226,187
Flour and other grain-mill products	223	322	931	11,665	6,802	726,774	897,364	22,208,661	239,471	28,600,464	6,062,332
Food preparations, not elsewhere classified	9	22	99	71	190	44,764	61,964	1,088,262	10,691	1,454,924	355,971
Foundry and machine-shop products, not elsewhere classified	62	508	3,415	571	16,667	1,347,229	3,858,091	7,134,537	410,026	17,308,033	9,763,470
Furniture, including store and office fixtures	50	272	3,410	4,262	4,968	723,228	2,723,445	4,507,132	166,459	10,164,720	5,491,129
Gas, manufactured, illuminating and heating	7	208	575	2,699	778	338,293	566,036	611,450	443,010	3,700,270	2,645,810
Hand stamps and stencils and brands	3	5	14	-------	12	9,509	12,364	18,437	1,147	55,236	35,652
Ice cream	48	90	258	109	2,493	232,968	304,279	1,489,022	85,708	3,304,841	1,730,111
Ice, manufactured	122	247	949	12,755	7,452	461,984	918,216	206,339	567,113	4,323,459	3,549,998
Iron and steel: Blast furnaces	5	27	450	[5] 11,790	[5] 427	74,551	338,412	1,208,097	993,681	3,100,771	898,993
Knit goods	65	661	17,839	2,389	9,856	1,836,107	11,377,348	26,168,198	520,506	48,406,388	21,717,690
Labels and tags	3	3	21	-------	14	9,800	35,606	38,959	2,570	121,070	79,541
Leather: Tanned, curried, and finished	5	26	464	2,625	1,548	69,892	409,462	2,703,249	62,774	3,437,570	671,547
Lime	10	38	377	895	2,252	107,007	326,583	144,067	178,560	1,125,816	803,189
Lumber and timber products, not elsewhere classified	614	669	10,304	41,225	4,233	1,874,188	8,053,153	13,221,953	206,434	32,604,611	19,176,224
Marble, granite, slate, and other stone products	31	166	1,464	1,050	9,419	515,013	1,818,232	2,409,988	204,061	6,841,449	4,227,400
Mattresses and bed springs, not elsewhere classified	13	73	438	-------	709	216,416	356,622	1,317,000	20,375	2,400,158	1,062,783
Meat packing, wholesale	13	190	697	2,016	1,543	492,335	823,334	14,018,963	122,021	16,873,193	2,732,209
Mirrors, framed and unframed	4	13	79	50	135	28,512	73,467	263,500	8,427	510,885	238,958
Motor-vehicle bodies and motor-vehicle parts	11	236	3,419	12,009	48,481	512,265	3,409,123	8,844,850	175,264	19,088,798	10,268,684
Oil, cake, and meal, cottonseed	20	149	1,146	13,320	4,220	379,870	742,364	15,570,526	378,433	18,503,558	2,554,599
Paints and varnishes	13	77	129	370	1,025	181,240	131,085	1,069,407	21,175	1,827,003	736,421
Paper	6	74	466	[6] 16,130	3,745	217,269	673,750	2,374,227	234,310	4,547,551	1,939,014
Pulp (wood and other fiber)	5	43	477			132,341	489,745	3,150,023	316,203	5,815,077	2,348,851
Paper goods, not elsewhere classified	5	12	46	14	164	31,094	50,918	387,357	6,183	638,974	245,434
Patent or proprietary medicines and compounds	34	323	444	280	923	755,097	325,244	1,705,918	24,491	6,062,802	4,332,393
Perfumes, cosmetics, and other toilet preparations	18	306	466	-------	482	593,596	480,983	1,670,692	15,483	5,515,556	3,829,381
Photo-engraving, not done in printing establishments	8	17	76	-------	95	54,833	175,675	38,356	6,503	403,757	358,898

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	124	517	3,701	16,850	7,381	$1,529,913	$3,285,058	$11,081,021	$158,914	$19,487,762	$8,247,827
Poultry killing, dressing, and packing, wholesale	9	23	112	225	343	45,429	90,303	1,810,326	12,269	2,230,413	407,818
Printing and publishing, book and job	127	398	1,418	25	1,892	948,905	1,920,644	2,649,996	88,204	7,826,180	5,087,980
Printing and publishing, newspaper and periodical	148	1,309	2,088	90	3,611	2,472,639	3,107,217	3,922,719	184,494	17,587,051	13,479,838
Rayon and allied products	4	604	7,537	42,050	800	1,324,288	7,043,580	5,091,407	601,501	25,188,075	19,495,167
Saddlery and harness	11	39	223	50	284	73,598	210,195	894,575	7,205	1,149,836	548,056
Shirts	9	45	684	-------	173	116,901	309,048	1,324,974	15,634	2,510,363	1,169,755
Shortenings (not including lard) and vegetable cooking oils	6	88	387	1,503	2,807	186,928	344,559	23,677,461	136,794	26,568,489	2,754,234
Signs and advertising novelties	10	31	125	-------	65	77,397	131,066	207,636	7,232	627,763	412,895
Silk and rayon manufactures	6	34	667	-------	850	69,982	321,142	491,726	29,361	1,187,332	666,245
Sporting and athletic goods, not including firearms or ammunition	4	13	129	195	146	23,120	95,211	160,296	4,832	361,376	196,248
Sterotyping and electrotyping, not done in printing establishments	3	7	44	15	120	28,770	64,748	28,407	3,353	191,163	159,403
Stoves and ranges (other than electric) and warm-air furnaces	17	230	2,771	55	5,307	622,829	2,728,008	3,811,728	215,585	10,251,063	6,223,750
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	12	145	920	-------	3,289	452,441	1,115,637	3,992,435	57,769	6,729,941	2,679,737
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	3	16	209	2,220	-------	48,983	185,437	506,066	83,085	916,705	327,554
Textile machinery and parts	4	4	22	100	70	4,749	29,450	52,856	909	109,210	55,445
Tobacco: Chewing and smoking, and snuff	11	84	1,007	2,121	334	279,182	754,662	8,347,679	62,771	16,871,822	8,461,372
Tools, not including edge tools, machine tools, files, or saws	4	23	165	500	447	72,892	151,460	593,629	15,999	1,002,275	392,647
Wood distillation and charcoal manufacture	3	88	665	1,390	3,875	266,215	674,449	1,118,884	204,170	3,371,319	2,048,265
Wood turned and shaped and other wooden goods, not elsewhere classified	52	147	1,222	6,621	1,000	319,144	981,834	2,167,198	26,127	4,796,369	2,603,044
Woolen goods	8	93	1,638	1,878	1,683	284,930	1,104,245	2,396,032	83,442	4,544,686	2,065,212
Other industries	149	1,142	12,810	13,604	47,397	2,944,684	12,540,789	45,951,229	2,666,843	88,948,559	40,330,487

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplicaton due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 1,286 employees of central administrative offices, with salaries aggregating $4,107,758. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[5] Includes item for the "Iron and steel: Steel works and rolling mills" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported for an individual establishment.

TABLE 13.—GENERAL STATISTICS FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial county in the State, with one exception, the reason for which is given in an explanatory note, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
DAVIDSON COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Rayon and allied products"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	284	2,811	20,043	42,806	45,171	$6,638,998	$20,496,340	$73,109,647	$2,365,662	$139,888,279	$64,412,970
HAMILTON COUNTY											
All industries, total	271	2,126	21,033	15,903	66,014	$5,589,164	$20,241,221	$58,483,180	$3,502,810	$114,309,637	$52,323,647
Beverages	5	17	68	720	140	55,671	87,928	239,344	8,164	749,160	501,652
Boxes, paper, not elsewhere classified	3	34	387	.....	429	102,177	361,873	1,170,094	17,224	1,766,495	579,177
Bread and other bakery products	14	42	365	100	399	105,435	342,986	918,386	30,987	2,061,484	1,112,111
Chemicals, not elsewhere classified	3	19	130	.....	355	87,211	110,911	427,946	308,114	1,325,391	589,331
Clay products (other than pottery) and nonclay refractories	6	42	455	1,100	1,313	104,076	373,376	79,845	160,134	1,057,756	817,777
Concrete products	3	3	21	.....	125	10,980	19,712	24,344	1,282	81,532	55,906
Foundry and machine-shop products, not elsewhere classified	23	314	2,208	125	13,346	801,208	2,496,561	4,672,674	273,925	11,151,792	6,205,193
Furniture, including store and office fixtures	5	41	652	.....	1,122	134,175	523,137	690,191	34,833	1,876,311	1,151,287
Ice cream	4	15	38	.....	165	35,502	36,706	201,324	10,884	443,992	231,784
Ice, manufactured	5	9	38	750	771	15,245	63,945	11,615	40,770	352,706	300,321
Knit goods	19	202	4,751	37	2,468	600,258	3,615,613	8,557,810	128,142	16,566,519	7,880,567
Lumber and timber products, not elsewhere classified	25	14	210	1,033	.....	46,800	139,099	274,901	350	596,055	320,804
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	9	35	186	619	727	88,369	211,391	525,789	15,097	981,986	441,100
Printing and publishing, book and job	20	48	111	.....	160	113,491	171,920	216,479	8,892	834,057	608,686
Stoves and ranges (other than electric and warm-air furnaces)	5	68	666	.....	1,016	206,239	687,714	1,295,709	45,594	2,872,796	1,531,493
Wood turned and shaped and other wooden goods, not elsewhere classified	3	11	58	350	106	22,808	49,150	154,420	788	350,971	195,763
Other industries	119	1,212	10,689	11,069	43,372	3,059,519	10,949,199	39,022,309	2,417,630	71,240,634	29,800,695
KNOX COUNTY											
All industries, total	189	1,461	15,865	22,576	41,422	$4,030,943	$14,626,599	$34,739,378	$1,623,412	$68,995,325	$32,632,535
Beverages	4	8	64	50	54	27,176	72,070	191,171	4,278	489,702	294,253
Bread and other bakery products	9	25	264	.....	313	57,007	261,485	606,215	27,213	1,246,521	613,093
Concrete products	4	17	97	.....	265	60,521	87,941	101,166	6,835	365,985	257,984
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	7	26	.....	8	14,160	21,403	51,962	854	104,717	51,901
Foundry and machine-shop products, not elsewhere classified	12	85	458	115	1,397	256,305	506,298	828,983	34,256	2,096,602	1,233,363
Furniture, including store and office fixtures	9	45	610	937	293	118,318	443,446	840,299	22,138	1,730,953	868,516
Ice, manufactured	5	21	62	462	675	46,546	89,026	16,209	53,923	347,929	277,797
Knit goods	5	126	3,782	1,122	3,559	329,127	2,475,788	5,182,436	142,556	9,493,044	4,168,052
Lime	4	18	156	460	544	53,027	148,803	61,706	88,592	486,680	336,382
Lumber and timber products, not elsewhere classified	3	34	483	1,256	716	128,299	513,642	1,287,072	22,650	2,561,754	1,252,032
Marble, granite, slate, and other stone products	11	127	1,240	575	8,504	405,918	1,560,498	2,184,887	170,408	5,933,055	3,577,760
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	13	67	284	1,089	953	184,643	289,140	919,127	23,140	1,770,617	828,350
Printing and publishing, book and job	20	27	130	.....	156	56,219	168,594	202,117	10,243	600,160	387,800
Signs and advertising novelties	4	4	30	.....	11	12,965	32,960	45,602	833	125,569	79,134
Other industries	83	850	8,179	16,510	23,974	2,280,712	7,955,505	22,220,426	1,015,493	41,642,037	18,406,118

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 13.—GENERAL STATISTICS FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
SHELBY COUNTY											
All industries, total	473	3,223	19,521	60,378	76,710	$8,075,174	$20,747,405	$111,355,762	$1,858,832	$191,694,645	$78,480,051
Awnings, tents, sails, and canvas covers	5	9	24	-------	23	31,316	36,701	142,027	909	276,889	133,953
Belting, leather	4	8	7	-------	24	14,200	12,765	52,116	768	103,372	50,488
Beverages	9	27	147	-------	287	94,732	156,388	449,138	11,952	1,320,265	859,175
Boxes, paper, not elsewhere classified	4	26	134	225	141	78,318	96,970	301,679	7,864	571,332	261,789
Bread and other bakery products	59	56	803	300	1,076	117,726	824,061	2,648,892	83,579	6,409,555	3,677,084
Car and general construction and repairs, steam-railroad repair shops	5	132	1,688	615	3,794	336,501	2,658,615	2,262,019	60,549	5,317,684	2,995,116
Caskets, coffins, burial cases, and other morticians' goods	5	19	103	235	31	47,106	119,239	348,210	4,635	696,334	343,489
Clay products (other than pottery) and nonclay refractories	3	14	139	250	298	38,660	100,975	12,769	41,722	268,198	213,707
Coffee and spice, roasting and grinding	7	52	146	-------	413	142,092	121,298	3,333,365	20,766	4,131,447	777,316
Compressed and liquefied gases	5	31	24	300	199	61,413	42,297	64,759	15,694	391,004	310,551
Concrete products	9	22	90	65	161	39,720	81,811	166,679	9,052	473,225	297,494
Confectionery	8	26	215	300	155	57,451	171,717	594,497	13,986	1,243,465	634,982
Cooperage	5	14	219	328	850	32,796	152,058	267,295	10,962	523,157	244,900
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	11	13	64	-------	58	29,163	84,302	630,722	4,487	898,717	263,508
Feeds, prepared, for animals and fowls	9	155	278	175	5,282	315,600	268,434	10,220,317	75,217	12,231,622	1,936,088
Flour and other grain-mill products	3	12	30	550	30	17,351	28,945	555,243	8,360	674,985	111,382
Foundry and machine-shop products, not elsewhere classified	14	80	396	325	609	202,457	461,577	826,877	28,061	2,350,271	1,495,333
Furniture, including store and office fixtures	6	85	758	1,190	731	205,571	610,138	1,029,328	29,868	2,193,502	1,134,306
Ice cream	11	12	44	-------	180	47,352	58,354	364,368	12,736	748,403	371,299
Ice, manufactured	15	58	369	4,020	1,217	122,419	349,667	21,176	172,121	1,405,599	1,212,302
Lumber and timber products, not elsewhere classified	23	220	2,086	9,719	737	824,532	2,009,548	4,904,047	48,925	10,707,199	5,754,227
Marble, granite, slate, and other stone products	5	11	39	-------	284	35,999	60,877	69,344	6,432	228,348	152,572
Oil, cake, and meal, cottonseed	14	108	949	11,222	3,485	305,991	590,482	13,048,710	318,301	15,444,743	2,077,732
Paints and varnishes	7	47	70	170	138	89,120	72,432	695,705	9,835	1,140,689	435,149
Patent or proprietary medicines and compounds	16	145	185	-------	459	217,601	126,009	654,099	8,240	1,640,198	977,859
Planing-mill products (including general millwork), not made in planing mills connected with saw mills	19	197	1,232	7,672	1,984	684,444	1,079,591	3,397,218	47,282	6,266,840	2,822,340
Printing and publishing, book and job	39	121	371	25	402	273,459	522,667	761,693	20,223	2,010,975	1,229,059
Printing and publishing, newspaper and priodical	8	343	456	-------	716	742,920	868,496	1,396,087	31,213	4,847,551	3,420,251
Wood turned and shaped and other wooden goods, not elsewhere classified	9	67	405	2,525	537	174,711	402,674	1,031,207	13,203	2,051,881	1,007,471
Other industries [1]	136	1,113	8,050	20,167	52,409	2,694,453	8,578,317	61,106,176	741,890	105,127,195	43,279,129

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The figures for this item include data for the "Motor-vehicle bodies and motor-vehicle parts" industry, which reported a larger number of wage earners than any other industry in the county, but for which separate figures can not he given without disclosing approximations of the data for individual establishments.

TABLE 14.—GENERAL STATISTICS BY INDUSTRIES FOR KNOXVILLE AND NASHVILLE, AND COMBINED GENERAL STATISTICS FOR ALL INDUSTRIES FOR CHATTANOOGA AND MEMPHIS: 1929

[This table presents, for Knoxville and Nashville, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of product [a]	Value added by manufacture [b]
CHATTANOOGA											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Knit goods"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	215	1,879	17,362	13,525	48,455	$4,955,343	$17,137,916	$52,158,293	$2,864,507	$101,060,834	$46,038,034
KNOXVILLE											
All industries, total	182	1,399	15,558	21,882	36,478	$3,831,566	$14,289,703	$34,151,862	$1,293,038	$66,777,980	$31,333,080
Beverages	4	8	64	50	54	27,176	72,070	191,171	4,278	489,702	294,253
Bread and other bakery products	9	25	264	-------	313	57,007	261,485	606,215	27,213	1,246,521	613,093
Concrete products	4	17	97	-------	265	60,521	87,941	101,166	6,835	365,985	257,984
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	3	7	26	-------	8	14,160	21,403	51,962	854	104,717	51,901
Foundry and machine-shop products, not elsewhere classified	12	85	458	115	1,397	256,305	506,298	828,983	34,256	2,096,602	1,233,363
Furniture, including store and office fixtures	9	45	610	937	293	118,318	443,446	840,299	22,138	1,730,953	868,516
Ice, manufactured	5	21	62	462	675	46,546	89,026	16,209	53,923	347,929	277,797
Knit goods	5	126	3,782	1,122	3,559	329,127	2,475,788	5,182,436	142,556	9,493,044	4,168,052
Lumber and timber products, not elsewhere classified	3	34	483	1,256	716	128,299	513,642	1,287,072	22,650	2,561,754	1,252,032
Marble, granite, slate, and other stone products	11	127	1,240	575	8,504	405,918	1,560,498	2,184,887	170,408	5,933,055	3,577,760
Planing-mill products (including general millwork), not made in planing mills connected with sawmills [1]	13	67	284	1,089	953	184,643	289,140	919,127	23,140	1,770,617	828,350
Printing and publishing, book and job	20	27	130	-------	156	56,219	168,594	202,117	10,243	600,160	387,800
Signs and advertising novelties	4	4	30	-------	11	12,965	32,960	45,602	833	125,569	79,134
Other industries [2]	80	806	8,028	16,276	19,574	2,134,362	7,767,412	21,694,616	773,711	39,911,372	17,443,045
MEMPHIS											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Motor-vehicle bodies and motor-vehicle parts," as measured by number of wage earners, and "Motor vehicles, not including motor cycles," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	427	2,742	15,921	46,713	68,955	$7,193,621	$16,712,221	$97,823,560	$1,533,158	$169,702,182	$70,345,464
NASHVILLE											
[The totals for all industries do not include data for a few establishments located outside the city (see footnote 3), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	256	2,353	14,179	10,783	33,953	$5,580,446	$14,534,280	$64,298,473	$1,554,994	$111,122,235	$45,268,768
Beverages	6	24	139	1,885	230	85,310	170,318	349,471	21,585	968,703	597,647
Bread and other bakery products [3]	15	81	397	-------	684	149,930	448,509	1,202,238	40,850	2,607,038	1,363,950
Butter	6	56	84	70	687	94,322	101,834	2,632,439	22,120	3,086,490	431,931
Car and general construction and repairs, steam-railroad repair shops	3	144	1,997	1,511	3,400	376,678	2,777,600	3,954,757	87,479	7,196,514	3,154,278
Cereal preparations [3]	7	43	113	36	495	101,740	103,796	4,890,087	10,460	5,596,189	695,642
Coffee and spice, roasting and grinding	7	33	106	-------	911	91,592	81,472	4,505,413	24,704	6,238,293	1,708,176
Concrete products [3]	7	17	36	8	125	32,093	36,937	46,904	2,938	165,901	116,059
Flour and other grain-mill products	9	51	130	775	965	106,405	118,214	2,919,035	21,789	3,636,427	695,603
Foundry and machine-shop products, not elsewhere classified	4	3	43	-------	139	3,980	55,968	42,370	6,441	153,899	105,088
Ice cream [3]	6	17	58	-------	738	49,979	81,480	338,761	20,767	824,805	465,277
Ice, manufactured [3]	9	38	58	2,075	1,351	85,485	75,300	16,940	81,769	617,800	519,091
Mattresses and bed springs, not elsewhere classified	3	19	71	-------	170	31,471	69,140	149,652	2,586	342,730	190,492
Patent or proprietary medicines and compounds [3]	8	45	113	-------	95	116,030	63,595	396,960	2,355	904,070	504,755
Printing and publishing, book and job	30	170	676	-------	950	433,745	887,351	1,281,561	37,731	3,753,178	2,439,886
Printing and publishing, newspaper and periodical [3]	20	519	881	85	1,510	991,621	1,274,541	1,537,772	93,645	7,497,906	5,866,489
Stoves and ranges (other than electric) and warm-air furnaces	3	97	947	-------	1,826	228,464	841,523	955,871	96,055	3,289,613	2,237,687
Other industries	120	1,017	8,396	4,382	20,008	2,634,802	7,418,798	39,212,127	991,206	64,583,233	24,379,900

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The items for the "Planing-mill products (including general millwork), not made in planing mills connected with sawmills" industry include data for 1 establishment located outside the city, to avoid disclosing the figures for the establishment in question. Amounts equivalent to the figures for this establishment have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.

[2] See footnote 1.

[3] The items for each of the industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.

TEXAS

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry ere included in tbe figures for 1919 and 1914, the only years for which this industry was canvassed in connection with tbe census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Estehlishments Covered—Size]

YEAR OR PERIOD	Number of estebl-ishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Weges	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purcbased energy		Total [3]	Materials and containers	Fuel end purchased energy		
1929	5,198	134,498	822,860	378,927	443,933	$151,827,257	$989,939,628	$962,750,112	$27,189,516	$1,450,246,431	$460,306,803
1927	4,065	116,763	635,455	334,956	300,499	130,408,661	842,927,286	797,137,948	45,789,338	1,206,579,962	363,652,676
1925	3,606	106,792	572,798	359,343	213,455	116,363,302	845,143,862	(4)	(4)	1,237,952,469	392,808,607
1923	3,693	102,358	548,299	336,075	212,224	111,461,949	647,451,774	(4)	(4)	979,192,057	331,740,283
1921	3,566	88,707	(5)	(5)	(5)	103,945,662	570,042,547	(4)	(4)	842,438,135	272,395,588
1919	5,724	107,622	440,894	320,355	120,539	116,403,800	701,170,898	678,278,642	22,892,256	999,995,796	298,824,898
1914	5,084	74,853	335,496	292,553	42,943	44,821,377	253,144,261	242,405,876	10,738,385	361,279,303	108,135,042
1909	4,888	70,230	282,035	267,167	14,868	37,907,272	178,178,615	170,983,406	7,195,109	272,895,635	94,717,120
1904	3,158	49,066	164,578	160,164	4,414	24,468,942	91,603,630	87,728,393	3,875,237	150,628,389	58,924,759
1899	3,107	38,604	115,885	113,495	2,390	16,911,681	54,388,303	(6)	(6)	92,894,433	38,506,130
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	27.9	15.2	29.5	13.1	47.7	16.4	17.4	20.8	−40.6	20.1	26.6
1925–1927	12.7	9.3	10.9	−6.8	40.8	12.1	−0.3			−2.5	−7.4
1923–1925	−2.4	4.3	4.5	6.9	0.6	4.4	30.5			26.4	18.4
1921–1923	3.6	15.4				7.2	13.6			16.2	21.8
1919–1921	−37.7	−17.5				−10.7	−18.7			−15.8	−8.8
1919–1929	−9.2	25.1	86.6	18.3	268.3	30.4	41.2	41.9	18.8	45.0	54.0
1909–1919	24.8	53.1	56.3	19.9	710.7	207.1	293.5	296.7	218.2	266.4	216.5
1899–1909	47.7	81.9	143.4	135.4	522.1	124.1	227.6			193.8	146.0

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable emounts of duplication due to the use of the products of certain industries as meterials in otbers. See GENERAL EXPLANATIONS—Duplication in Cost of Meteriels and Value of Products.
[3] Value of products less cost of meterials, conteiners for products, fuel, and purcbased electric energy. This item does not represent menufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on scbedule.
[6] No comperable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of estebl-ishments	Wage earners (average for the year) [1]	Horse-power [2]	Weges	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value edded by manufacture
						Total	Materiels and conteiners	Fuel end purchesed energy		
The State	5,824,715	5,198	134,498	822,860	$151,827,257	$989,939,628	$962,750,112	$27,189,516	$1,450,246,431	$460,306,803
Counties [3]										
Anderson	34,643	39	771	4,123	905,474	1,826,365	1,730,075	96,290	3,372,439	1,546,074
Angeline	27,803	26	2,313	7,610	2,118,609	3,799,146	3,717,820	81,326	8,505,505	4,706,359
Atascosa	15,654	8	72	258	96,844	105,360	95,684	9,676	272,897	167,537
Austin	18,860	11	111	628	133,313	815,151	790,254	24,897	1,201,741	386,590
Bastrop	23,888	19	415	2,383	445,488	869,701	689,734	179,967	1,861,792	992,091
Baylor	7,418	6	27	475	25,003	217,397	209,086	8,311	339,998	122,601
Bee	15,721	8	56	421	60,332	288,866	274,890	13,976	531,701	242,835
Bell	50,030	41	565	3,855	701,740	2,433,762	2,315,446	118,316	4,110,620	1,676,858
Bexar [4]	292,533	412	9,395	40,090	8,946,800	35,736,220	34,415,729	1,320,491	60,804,038	25,067,818
Bosque	15,750	11	74	817	77,903	408,857	395,750	13,107	609,009	200,152
Bowie	48,563	47	1,583	7,231	1,568,560	6,785,049	6,529,070	255,979	11,919,153	5,134,104
Brazoria	23,054	12	156	972	157,929	617,016	583,681	33,335	1,018,958	401,942
Brazos	21,835	10	85	639	87,230	443,563	419,101	24,462	763,192	319,629
Brown	26,382	28	334	2,067	388,726	1,405,227	1,320,287	84,940	2,421,780	1,016,553
Burnet	10,355	3	11	208	10,800	11,307	9,140	2,167	41,939	30,632
Caldwell	31,397	18	111	1,340	113,722	1,237,788	1,211,877	25,911	1,609,025	371,237
Callahan	12,785	5	61	180	91,330	158,089	144,452	13,637	333,737	175,648
Cameron	77,340	66	476	5,012	478,185	1,267,497	1,144,603	122,894	3,125,767	1,858,270
Camp	10,063	7	197	797	143,199	423,520	414,951	8,569	770,346	346,826
Carson	7,745	11	146	1,156	217,027	838,631	284,452	554,179	1,487,591	648,960
Cass	30,030	24	213	1,062	137,990	176,176	168,629	7,547	486,801	310,625
Chambers	5,710	5	18	108	12,704	15,550	15,550		48,000	32,450
Cherokee	43,180	45	669	2,433	513,245	542,902	524,535	18,367	1,573,598	1,030,696
Childress	16,044	10	500	2,832	671,248	1,280,305	1,219,404	60,901	2,224,907	944,602
Clay	14,545	5	9	134	11,538	20,241	17,718	2,523	50,910	30,669
Coleman	23,669	10	89	809	95,596	574,936	535,609	39,327	990,432	415,496
Collin	46,180	21	506	3,289	417,217	3,036,395	2,932,987	103,408	4,218,809	1,182,414
Collingsworth	14,461	6	21	82	30,034	51,872	46,766	5,106	144,559	92,687
Colorado	19,129	17	147	1,084	139,423	1,126,745	1,100,774	25,971	1,446,623	319,878
Comal	11,984	20	595	5,602	493,302	3,203,523	3,031,647	171,876	4,721,279	1,517,756

See footnotes et end of teble.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [3]—Continued										
Comanche	18,430	11	88	603	$66,195	$525,172	$513,262	$11,910	$790,552	$265,380
Cooke	24,136	21	314	2,161	468,833	3,825,454	3,739,842	85,612	4,742,901	917,447
Coryell	19,999	5	50	324	39,141	239,741	221,853	17,888	356,478	116,737
Cottle	9,395	4	12	66	15,545	24,181	20,089	4,092	81,916	57,735
Crosby	11,023	7	14	248	11,701	25,870	23,453	2,417	71,548	45,678
Dallam	7,830	5	149	503	236,617	152,332	129,178	23,154	517,234	364,902
Dallas [4]	325,691	572	13,853	74,210	15,516,789	102,863,069	100,471,091	2,391,978	168,211,802	65,348,733
Dawson	13,573	11	40	543	36,143	120,414	109,959	10,455	224,248	103,834
Delta	13,138	4	36	319	18,033	277,441	268,974	8,467	354,368	76,927
Denton	32,822	22	125	2,216	119,831	695,760	633,973	61,787	1,205,934	510,174
De Witt	27,441	26	433	2,533	310,942	2,529,302	2,457,402	71,900	3,449,367	920,065
Dickens	8,601	6	15	182	21,389	73,034	67,831	5,203	135,880	62,846
Donley	10,262	4	13	16	18,920	18,530	13,548	4,982	61,404	42,574
Eastland	34,166	33	133	1,768	179,038	466,991	434,082	32,509	1,445,627	979,036
Ellis	53,936	37	575	5,546	830,543	2,862,988	2,598,388	264,570	4,761,652	1,898,694
El Paso [4]	131,597	160	6,224	36,217	6,548,115	40,171,571	38,738,066	1,433,505	54,474,189	14,302,618
Erath	20,804	16	158	1,570	174,359	791,293	712,164	79,129	1,231,616	440,323
Falls	38,771	18	119	885	110,484	1,595,856	1,557,150	38,706	2,055,928	460,072
Fannin	41,163	21	310	2,985	232,587	1,136,833	1,078,944	57,889	1,671,840	535,007
Fayette	30,708	29	121	1,467	107,938	891,438	869,804	21,634	1,308,309	416,871
Fisher	13,563	9	177	2,801	205,412	635,271	554,145	81,126	1,023,088	387,817
Freestone	22,589	10	191	778	287,137	569,840	547,469	22,371	1,075,460	505,620
Galveston	64,401	97	2,196	18,336	2,695,176	15,679,929	15,242,329	437,600	22,882,304	7,202,375
Gillespie	11,020	10	49	423	50,971	119,493	106,597	12,896	243,286	123,793
Goliad	10,093	4	15	81	11,170	104,277	101,678	2,599	152,297	48,020
Gonzales	28,337	17	220	2,100	165,667	1,167,317	1,123,070	44,247	1,755,928	588,611
Gray	22,090	19	275	1,794	421,382	2,654,015	2,251,148	402,867	4,772,751	2,118,736
Grayson	65,843	81	2,461	15,483	2,471,844	16,010,300	15,682,678	327,622	23,555,945	7,545,645
Gregg	15,778	20	485	1,419	414,783	1,195,302	1,164,107	31,195	2,243,573	1,048,271
Grimes	22,642	15	158	1,170	137,538	883,717	869,757	13,960	1,000,029	416,312
Guadalupe	28,925	11	170	1,751	177,995	1,438,330	1,373,281	65,049	2,015,561	577,231
Hale	30,189	19	125	1,818	119,068	1,735,601	1,688,346	47,255	2,316,650	581,049
Hamilton	13,523	9	51	517	53,178	386,802	376,940	9,862	530,192	143,390
Hardeman	14,532	8	221	3,435	231,287	1,812,225	1,707,886	104,339	2,521,902	709,677
Hardin	13,936	15	1,350	2,911	1,087,046	1,623,972	1,598,756	25,216	3,467,117	1,843,145
Harris	359,328	475	22,131	120,055	28,096,678	191,729,349	187,367,151	4,362,198	285,227,185	93,497,836
Harrison	48,937	39	2,319	10,473	2,437,164	4,333,838	4,090,879	242,959	9,078,542	4,744,704
Hays	14,915	9	53	494	61,349	397,717	380,097	17,620	610,637	212,920
Hemphill	4,637	5	19	105	29,744	27,293	23,323	3,970	90,227	62,934
Henderson	30,583	12	120	1,028	87,445	448,010	403,767	44,243	737,104	289,094
Hidalgo	77,004	52	277	3,309	291,908	572,682	458,505	114,177	1,828,530	1,255,848
Hill	43,036	17	474	3,146	357,280	2,664,100	2,558,038	106,062	3,758,230	1,094,130
Hockley	9,298	3	10	64	7,900	10,791	10,791		36,306	25,515
Hopkins	29,410	10	162	841	119,638	1,438,052	1,397,913	40,139	1,857,251	419,199
Houston	30,017	21	256	1,369	187,560	493,663	481,580	12,083	1,094,175	600,512
Howard	22,888	16	504	2,020	817,235	7,134,602	7,061,200	73,402	9,882,521	2,747,919
Hunt	49,446	41	449	5,519	509,567	3,964,888	3,858,347	106,541	5,377,090	1,412,202
Hutchinson	14,848	21	528	5,071	848,524	9,483,570	9,290,069	193,392	12,992,585	3,508,534
Jackson	10,980	5	15	132	21,458	19,908	16,553	3,355	60,127	40,219
Jasper	17,064	22	1,748	4,055	1,515,869	2,671,778	2,659,609	12,169	5,567,634	2,895,856
Jefferson [4]	133,391	141	14,386	121,301	19,630,752	235,596,516	231,250,410	4,346,106	297,159,552	61,563,036
Johnson	33,317	22	829	5,742	1,239,571	1,164,683	1,068,952	95,731	2,865,682	1,700,999
Jones	24,233	19	140	1,839	165,714	1,267,378	1,226,775	40,603	1,705,278	437,900
Karnes	23,316	8	54	487	41,259	354,547	344,867	9,680	547,543	192,996
Kaufman	40,905	21	135	2,200	131,166	1,634,489	1,586,801	47,688	2,141,531	507,042
Kendall	4,970	3	7	205	5,718	24,264	21,426	2,838	45,576	21,312
Kerr	10,151	4	16	264	24,046	104,860	103,656	1,204	181,067	76,207
Kleberg	12,451	8	383	1,549	539,499	1,443,400	1,390,368	53,032	2,429,046	985,646
Lamar	48,529	38	842	4,007	636,465	3,401,849	3,314,840	87,009	5,643,267	2,241,418
Lampasas	8,677	7	24	172	27,977	28,702	22,939	5,763	109,049	80,347
Lavaca	27,550	23	494	2,003	548,461	1,246,758	1,189,066	57,692	2,163,004	916,246
Liberty	19,868	12	398	1,070	392,374	198,138	175,624	22,514	1,004,896	806,758
Limestone	39,497	18	216	1,360	173,214	972,375	963,585	68,990	1,745,872	773,497
Llano	5,538	8	53	355	59,241	49,744	42,422	7,322	206,844	157,100
Lubbock	39,104	40	489	3,151	604,471	4,263,928	4,156,547	107,381	5,756,288	1,492,360
Lynn	12,372	6	17	56	17,383	20,542	17,133	3,409	60,113	39,571
McCulloch	13,883	10	66	771	70,796	667,747	641,760	25,987	922,694	254,947
McLennan	98,682	124	3,186	19,718	3,323,694	12,060,506	11,563,933	496,573	20,501,208	8,440,702
Marion	10,371	10	207	725	139,987	350,513	345,220	5,293	637,568	287,055
Matagorda	17,678	12	115	631	96,260	1,299,696	1,292,315	7,381	1,793,166	493,470
Maverick	6,120	5	62	230	36,515	40,940	32,625	8,315	125,448	84,508
Medina	13,989	8	81	584	60,423	68,102	30,975	37,127	173,529	105,427
Menard	4,447	6	15	114	14,787	19,139	16,452	2,687	76,567	57,428
Midland	8,005	8	43	266	66,226	536,779	528,177	8,602	627,390	90,611
Milam	37,915	16	149	895	113,621	1,457,935	1,431,971	25,964	1,913,324	455,389
Montague	19,159	23	282	1,089	228,621	774,555	751,063	23,492	1,443,587	669,032
Montgomery	14,588	11	764	2,810	656,441	749,860	706,998	42,862	1,874,735	1,124,875
Morris	10,028	4	46	158	27,755	35,894	35,099	795	92,047	56,153
Nacogdoches	30,290	25	636	2,251	518,596	853,793	828,715	25,078	2,438,988	1,585,195
Navarro	60,507	43	738	5,532	760,063	6,273,364	6,106,595	166,769	8,635,596	2,362,232
Newton	12,524	13	1,461	5,339	1,207,127	1,440,183	1,427,216	12,967	4,781,960	3,341,777
Nolan	19,323	18	351	5,838	633,351	2,370,841	2,233,103	137,738	4,385,844	2,015,003
Nueces	51,779	47	442	3,095	466,556	2,352,491	2,272,974	79,517	4,079,152	1,726,661
Orange	15,149	25	938	10,108	1,078,453	3,443,357	3,198,628	244,729	5,837,611	2,394,254
Palo Pinto	17,576	13	197	1,477	220,729	282,768	146,212	136,556	696,123	413,355
Panola	24,063	13	127	726	107,188	116,007	113,803	2,204	341,456	225,449
Parker	18,759	16	220	1,727	180,594	671,118	609,425	61,693	1,372,719	701,601
Pecos	7,812	4	16	106	25,381	12,891	10,204	2,687	57,208	44,317
Polk	17,555	12	718	2,012	576,841	480,373	468,326	12,047	1,550,326	1,069,953
Potter	46,080	52	1,225	7,980	2,057,741	9,221,847	8,546,974	674,873	14,074,591	4,852,744

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties[3]—Continued										
Presidio	10,154	8	27	213	$21,937	$109,845	$104,645	$5,200	$197,717	$87,872
Randall	7,071	3	12	77	12,099	16,912	14,150	2,762	57,853	40,941
Red River	30,923	18	118	1,406	80,207	402,189	385,435	16,754	656,962	254,773
Robertson	27,240	9	115	1,028	125,099	841,417	799,733	41,684	1,144,238	302,821
Runnels	21,821	15	99	1,329	86,256	894,927	855,842	39,085	1,253,212	358,285
Rusk	32,484	28	167	1,654	129,650	552,202	545,696	6,506	860,316	308,114
San Augustine	12,471	9	316	1,100	277,686	462,574	460,309	2,265	1,064,362	601,788
San Saba	10,273	3	6	58	10,602	3,959	1,830	2,129	38,059	34,100
Scurry	12,188	7	30	393	26,906	168,183	159,711	8,472	258,495	90,312
Shackelford	6,695	6	10	203	18,127	30,856	24,983	5,873	94,205	63,349
Shelby	28,627	22	707	2,900	600,296	407,691	403,846	3,845	2,048,458	1,640,767
Smith	53,123	46	769	4,132	774,742	2,397,555	2,266,570	130,985	4,209,111	1,811,556
Starr	11,409	4	30	160	14,932	22,175	7,011	15,164	56,987	34,812
Stephens	16,560	18	190	1,423	270,916	1,120,283	977,063	143,220	2,135,619	1,015,336
Tarrant	197,553	246	8,600	59,327	16,607,560	98,155,407	96,077,438	2,077,969	131,336,433	33,181,026
Taylor	41,023	47	495	3,414	501,541	3,353,266	3,270,779	82,487	5,083,458	1,730,192
Titus	16,003	8	120	422	77,068	91,014	85,721	5,293	238,061	147,047
Tom Green	36,033	42	382	2,034	501,122	1,657,792	1,575,910	81,882	3,187,689	1,529,897
Travis	77,777	93	958	6,010	1,176,687	3,486,093	3,325,755	160,338	7,499,510	4,013,417
Trinity	13,637	8	844	2,649	702,977	417,841	394,381	23,460	1,851,450	1,433,609
Tyler	11,448	10	697	2,319	546,546	399,297	381,301	17,996	1,643,853	1,244,556
Upshur	22,297	21	182	947	131,012	216,482	206,827	9,655	489,461	272,979
Uvalde	12,945	7	24	258	24,011	71,620	62,270	9,350	180,520	108,900
Val Verde	14,924	14	97	403	116,670	683,610	666,457	17,153	1,101,626	418,016
Victoria	20,048	14	127	838	146,539	594,436	571,382	23,054	1,142,831	548,395
Walker	18,528	11	396	2,350	317,557	391,091	372,510	18,581	1,065,135	674,044
Waller	10,014	3	12	17	8,820	6,489	6,354	135	29,250	22,761
Ward	4,599	8	70	125	95,791	4,047,422	4,028,967	18,455	5,134,380	1,086,958
Washington	25,394	23	300	1,742	251,067	1,396,088	1,337,037	59,051	2,032,740	636,652
Webb	42,128	36	394	1,944	301,381	1,499,952	1,396,148	103,804	2,630,985	1,131,033
Wharton	29,681	16	111	1,186	96,961	1,068,509	1,043,407	25,102	1,514,585	446,076
Wheeler	15,555	9	78	753	104,288	934,777	922,000	12,777	1,436,785	502,008
Wichita	74,416	101	1,816	13,128	2,576,924	21,808,250	21,195,261	612,989	30,360,164	8,551,914
Wilbarger	24,579	13	171	4,420	227,265	2,319,564	2,256,874	62,690	3,148,279	828,715
Williamson	44,146	29	347	2,332	297,374	1,829,435	1,746,558	82,877	2,688,751	859,316
Wilson	17,606	7	204	1,026	166,661	299,285	187,274	112,011	724,051	424,766
Wise	19,178	5	49	854	42,743	100,036	71,117	28,919	240,070	140,034
Wood	24,183	24	253	2,024	164,172	514,970	500,600	14,370	1,022,198	507,228
Young	20,128	16	68	1,056	93,065	1,512,569	1,496,783	15,786	1,927,073	414,504
All other counties[3]	649,853	251	4,522	30,706	5,083,686	38,189,883	37,320,150	869,733	50,349,888	12,160,005
Cities having 10,000 inhabitants or more[4]										
Abilene	23,175	42	459	3,277	475,705	3,301,903	3,233,316	68,587	4,959,762	1,657,859
Amarillo	43,132	46	595	2,842	1,166,442	2,460,098	2,314,249	145,849	5,442,650	2,982,552
Austin	53,120	88	856	5,624	1,074,899	3,286,565	3,163,102	123,463	7,066,287	3,779,722
Beaumont	57,732	84	1,779	9,077	2,225,110	5,950,951	5,674,933	276,018	12,330,201	6,379,250
Brownsville	22,021	29	178	1,977	181,586	637,405	587,822	49,583	1,295,562	658,157
Corpus Christi	27,741	36	334	1,807	370,498	1,563,252	1,502,205	61,047	2,866,963	1,303,711
Corsicana	15,202	27	537	4,133	555,632	2,819,159	2,716,885	102,274	4,904,388	2,085,229
Dallas	260,475	535	12,048	49,271	13,630,181	83,644,347	82,400,585	1,243,762	142,512,320	58,867,973
Denison	13,850	22	576	4,037	551,277	2,491,075	2,427,309	63,766	3,793,019	1,301,944
El Paso[7]	102,421	147	5,160	15,051	5,453,576	13,838,074	13,306,370	531,704	24,605,307	10,767,233
Fort Worth	163,447	228	6,461	46,281	8,273,505	85,920,261	84,695,219	1,225,042	113,614,152	27,693,891
Greenville	12,407	28	245	2,818	222,842	2,607,565	2,547,189	60,376	3,469,062	861,497
Harlingen	12,124	10	128	2,159	171,217	343,961	298,880	45,081	1,123,557	779,596
Houston[7]	292,352	429	16,264	64,011	20,301,484	79,771,174	77,482,970	2,288,204	145,049,659	65,278,485
Marshall	16,203	23	1,707	7,120	1,914,723	3,798,159	3,642,687	155,472	7,164,561	3,366,402
Palestine	11,445	22	539	3,081	733,469	1,571,598	1,502,661	68,937	2,848,862	1,277,264
Port Arthur	50,902	29	290	2,141	421,961	1,247,299	1,141,514	105,785	2,558,490	1,311,191
San Antonio[7]	231,542	390	8,692	25,415	8,271,292	30,569,749	29,811,798	757,951	53,372,775	22,803,026
San Benito	10,753	11	122	639	81,662	192,505	173,651	18,854	488,096	295,591
Sherman	15,713	43	721	7,056	839,185	9,507,307	9,339,794	167,513	12,965,794	3,458,487
Temple	15,345	32	487	3,095	645,599	2,178,028	2,076,656	101,372	3,696,076	1,518,048
Texarkana, Texas and Arkansas, total	27,366	52	1,043	5,180	1,066,344	3,965,736	3,760,829	204,907	6,904,786	2,939,050
Texarkana, Texas	16,602	36	844	3,442	887,289	2,392,541	2,232,379	160,162	4,667,681	2,275,140
Texarkana, Arkansas	10,764	16	199	1,738	179,055	1,573,195	1,528,450	44,745	2,237,105	663,910
Tyler	17,113	28	611	3,351	670,175	2,184,301	2,106,120	78,181	3,751,375	1,567,074
Waco	52,848	105	1,808	6,850	1,879,839	7,781,071	7,561,919	219,152	13,602,285	5,821,214
Wichita Falls	43,690	73	1,438	9,164	2,008,244	11,655,998	11,255,414	400,584	18,068,459	6,412,461

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. In the cases of Clay, Kendall, and San Saba Counties, in each of which fewer than 10 wage earners were employed, statistics are here presented in order that comparison may be made with the corresponding figures for 1927 (published in mimeographed form).

[4] For statistics by industries for this county, see Table 13.

[5] Aransas, Archer, Armstrong, Bailey, Bandera, Brewster, Briscoe, Brooks, Burleson, Calhoun, Cochran, Coke, Crane, Crockett, Culberson, Deaf Smith, Dimmit, Ector, Edwards, Floyd, Foard, Fort Bend, Franklin, Frio, Garza, Hall, Hansford, Haskell, Hood, Hudspeth, Jack, Jeff Davis, Jim Hogg, Jim Wells, Kent, Kimble, Kinney, Knox, Lamb, La Salle, Lee, Leon, Live Oak, Madison, Martin, Mason, Mills, Mitchell, Motley, Ochiltree, Parmer, Rains, Reagan, Real, Reeves, Refugio, Rockwall, Sabine, San Jacinto, San Patricio, Sherman, Somervell, Stonewall, Sutton, Swisher, Terrell, Terry, Throckmorton, Upton, Van Zandt, Willacy, and Zavala Counties. See footnote 3. No manufacturing was reported from Andrews, Blanco, Borden, Castro, Concho, Duval, Gaines, Glasscock, Hartley, Irion, Kenedy, King, Lipscomb, Loving, McMullen, Moore, Oldham, Roberts, Schleicher, Sterling, Winkler, Yoakum, and Zapata Counties.

[6] Not including Brownwood, Galveston, Pampa, Big Spring, Cleburne, Paris, Lubbock, Sweetwater, San Angelo, Del Rio, and Laredo, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from publication to avoid disclosing approximations of the data for individual establishments. In the cases of Brownwood, Galveston, Paris, San Angelo, and Laredo the figures are withheld because their publication would make it possible to calculate (by subtracting them from the figures for the counties within which the cities are located) approximations of the data for establishments located outside the cities but within the counties in which the cities are situated.

[7] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	159,210	138,735	20,475	3,067	2,944	123	[2] 2,683	[2] 2,563	[2] 120	[2] 18,962	[2] 15,477	[2] 3,485	134,498	[3] 117,751	[3] 16,747
1919 [1,4]	130,911	118,621	12,290	5,393	5,194	199	1,705	1,664	41	16,291	13,539	2,752	107,522	98,224	9,298
1914 [4]	91,114	85,700	5,414	4,787	4,638	149	1,124	1,109	15	10,350	9,406	944	74,853	70,547	4,306
1909	84,575	79,696	4,879	4,496	4,373	123	940	929	11	8,909	8,269	640	70,230	66,125	4,105

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 265; male, 260; female, 5. Other salaried officers and employees—total, 2,884; male, 2,176; female, 708. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	134,498	*128,082*	130,497	130,887	132,209	131,616	131,923	133,399	137,830	**141,520**	141,459	138,822	135,736	90.5
1919 [1]	107,522	104,867	103,446	102,837	*101,590*	104,578	104,024	107,288	110,155	111,299	112,746	113,218	114,418	88.6
1914 [1]	74,853	**76,993**	75,559	74,217	73,261	*72,819*	73,078	75,779	76,587	76,983	75,588	73,654	74,318	93.8
1909 [1]	70,230	68,563	66,485	68,082	67,772	*66,079*	68,037	69,153	69,192	73,196	75,291	**75,648**	75,258	87.4

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	5,198	134,498	45 and over but under 48	90	5,482
			48	1,040	32,849
Not reported	824	2,624	Over 48 but under 54	348	13,119
Under 40	76	553	54	576	9,629
40	62	2,678	Over 54 but under 60	395	33,841
Over 40 but under 44	15	144	60 and over	1,286	26,212
44 and over but under 45	486	7,367			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	5,198	5,724	4,588	134,498	107,522	70,230	51 to 100	241	161	117	16,955	11,605	8,589
							101 to 250	170	130	108	26,170	20,532	16,809
No wage earners	95	747	479				251 to 500	51	42	25	17,294	14,960	8,190
1 to 5	2,675	3,070	2,440	8,101	7,075	5,852	501 to 1,000	14	17	8	9,062	11,735	4,890
6 to 20	1,365	1,104	1,089	14,847	12,049	11,999	1,001 to 2,500	7	9	3	10,272	15,240	4,122
21 to 50	576	444	319	18,145	14,326	9,779	2,501 and over	4			13,652		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	5,198	5,724	4,588	134,498	107,522	70,230	$1,450,246,431	$999,995,796	$272,895,635	$460,306,803	$298,824,898	$94,717,120
Less than $5,000	(2)	1,440	1,746	(2)	1,091	2,646	(2)	3,904,156	4,297,098	(2)	2,478,215	2,943,755
$5,000 to $19,999	1,940	1,936	1,512	5,549	5,415	7,780	22,115,309	20,895,448	15,442,319	11,018,351	11,902,039	9,636,311
$20,000 to $99,999	1,915	1,391	868	16,989	13,511	15,724	88,534,307	61,576,483	39,117,172	52,778,033	32,490,914	19,593,400
$20,000 to $49,999	1,212	(3)	(3)	7,989	(3)	(3)	39,278,854	(3)	(3)	24,011,286	(3)	(3)
$50,000 to $99,999	703	(3)	(3)	9,000	(3)	(3)	49,255,453	(3)	(3)	28,766,747	(3)	(3)
$100,000 to $499,999	901	628	426	32,338	25,201	34,894	205,871,840	143,676,554	111,984,740	93,511,602	60,593,041	43,521,809
$100,000 to $249,999	576	(3)		16,011	(3)		91,310,709	(3)		46,948,911	(3)	
$250,000 to $499,999	325	(3)		16,327	(3)		114,561,131	(3)		46,562,691	(3)	
$500,000 to $999,999	231	166		21,676	16,026		160,781,010	112,761,377		61,296,443	39,736,851	
$1,000,000 and over	211	163	36	57,946	46,278	9,186	972,943,965	657,181,778	102,054,306	238,702,374	151,623,838	19,021,845
$1,000,000 to $2,499,999	148	(3)	(3)	23,154	(3)	(3)	219,633,181	(3)	(3)	77,615,320	(3)	(3)
$2,500,000 to $4,999,999	37	(3)	(3)	6,946	(3)	(3)	125,016,714	(3)	(3)	34,947,562	(3)	(3)
$5,000,000 and over	26	(3)	(3)	27,846	(3)	(3)	628,294,070	(3)	(3)	126,139,192	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
- No data.
[2] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	5,198	5,724	134,498	107,522	$1,450,246,431	$999,995,796	$460,306,803	$298,824,898
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	2,474	1,653	116,076	86,638	1,341,760,257	882,136,923	409,760,768	249,797,940
Other forms of ownership or control (individual, partnership, etc.)	2,724	4,071	18,422	20,884	108,486,174	117,858,873	50,546,035	49,026,958
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	1,006	(1)	67,262	(1)	921,380,839	(1)	246,921,112	(1)
Independent (single-unit)	4,192	(1)	67,236	(1)	528,865,592	(1)	213,385,691	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	822,860	378,927	1,821	191,134	192	127,113	539	59,990	8	690	41,499	443,933	6,221	164,732
1927	635,455	334,956	1,617	190,448	153	96,446	510	46,351	12	1,711	30,438	300,499	6,177	152,054
1925	572,798	359,343	1,723	207,795	147	101,425	552	47,517	17	2,606	20,283	213,455	6,403	126,211
1919 [1]	440,894	320,355	2,298	248,653	99	32,718	1,063	36,579	34	2,405	11,483	120,539	3,078	56,014
1914 [1]	335,496	292,553	[2] 2,541	[2] 262,200	(3)	(3)	1,101	28,300	30	2,053	5,375	42,943	2,038	33,190
Counties in which aggregate horsepower exceeded 25,000: 1929														
Bexar	40,090	12,762	36	[4] 5,407	1	(4)	31	7,355	1	(4)	3,189	27,328	160	7,331
Dallas	74,210	28,643	81	11,705	11	9,866	32	7,072	------	------	5,507	45,567	1,017	13,553
El Paso	36,217	20,082	39	5,603	24	14,096	6	383	------	------	1,620	16,135	437	11,333
Harris	120,055	30,224	104	13,307	51	9,352	47	7,565	------	------	7,303	89,831	249	7,481
Jefferson	121,301	89,733	118	[5] 10,488	23	74,517	33	4,728	1	(4)	1,857	31,568	2,659	95,482
Tarrant	59,327	15,564	46	10,154	7	363	44	5,047	------	------	3,346	43,763	142	2,625

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Items for steam turbines and water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.
[5] Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	822,860	378,927	443,933	164,732
Anderson	4,123	1,272	2,851	----
Angelina	7,610	6,142	1,468	180
Atascosa	258	----	258	----
Austin	628	145	483	----
Bastrop	2,383	600	1,783	----
Baylor	475	275	200	----
Bee	421	----	421	----
Bell	3,855	682	3,173	135
Bexar	40,090	12,762	27,328	7,331
Bosque	817	590	227	----
Bowie	7,231	5,114	2,117	112
Brazoria	972	263	709	----
Brazos	639	448	191	----
Brown	2,067	865	1,202	(2)
Burnet	208	50	158	----
Caldwell	1,340	901	439	----
Callahan	180	55	125	----
Cameron	5,012	1,195	3,817	----
Camp	797	594	203	233
Carson	1,156	----	1,156	----
Cass	1,662	975	87	----
Chambers	108	108	----	----
Cherokee	2,433	2,050	383	(2)
Childress	2,832	940	1,892	329
Clay	134	65	69	----
Coleman	809	530	279	----
Collin	3,289	1,704	1,585	108
Collingsworth	82	50	32	----
Colorado	1,084	940	144	12
Comal	5,602	546	5,056	----
Comanche	603	287	316	----
Cooke	2,161	1,209	952	219
Coryell	324	278	46	----
Cottle	66	----	66	----
Crosby	248	120	128	----
Dallam	503	75	428	----
Dallas	74,210	28,643	45,567	13,553
Dawson	543	165	378	----
Delta	319	215	104	----
Denton	2,216	1,800	416	223
De Witt	2,533	980	1,553	----
Dickens	182	110	72	----
Donley	16	----	16	----
Eastland	1,768	652	1,116	----
Ellis	5,546	1,750	3,796	94
El Paso	36,217	20,082	16,135	11,333
Erath	1,570	750	820	491
Falls	885	620	265	----
Fannin	2,985	825	2,160	----
Fayette	1,467	1,113	354	138
Fisher	2,801	325	2,476	----
Freestone	778	408	370	668
Galveston	18,336	9,783	8,553	4,779
Gillespie	423	36	387	----
Goliad	81	----	81	----
Gonzales	2,100	906	1,194	----
Gray	1,794	505	1,289	----
Grayson	15,483	5,585	9,898	727
Gregg	1,419	1,077	342	450
Grimes	1,170	919	251	----
Guadalupe	1,751	1,325	426	450
Hale	1,818	692	1,126	----
Hamilton	517	435	82	----
Hardeman	3,435	1,358	2,077	190
Hardin	2,911	2,700	211	155
Harris	120,055	30,224	89,831	7,481
Harrison	10,473	5,206	5,267	1,314
Hays	494	150	344	----
Hemphill	105	75	30	----
Henderson	1,028	525	503	----
Hidalgo	3,309	422	2,887	----
Hill	3,146	465	2,681	----
Hockley	64	30	34	----
Hopkins	841	470	371	19
Houston	1,369	1,054	315	185
Howard	2,020	240	1,780	62
Hunt	5,519	3,520	1,999	190
Hutchinson	5,071	1,720	3,351	(2)
Jackson	132	75	57	----
Jasper	4,055	3,936	119	15
Jefferson	121,301	89,733	31,568	95,482
Johnson	5,742	750	4,992	50
Jones	1,839	401	1,438	----
Karnes	487	343	144	----
Kaufman	2,200	945	1,255	45
Kendall	205	162	43	----
Kerr	264	75	189	----
Kleberg	1,549	981	568	680
Lamar	4,007	1,624	2,383	149
Lampasas	172	147	25	----
Lavaca	2,003	749	1,254	----
Liberty	1,070	777	293	60
Limestone	1,360	1,085	275	412
Llano	355	50	305	----
Lubbock	3,151	1,591	1,560	375
Lynn	56	----	56	----
McCulloch	771	295	476	----
McLennan	19,718	8,995	10,723	5,242
Marion	725	678	47	----
Matagorda	631	424	207	----
Maverick	230	150	80	----
Medina	584	500	84	90
Menard	114	----	114	----
Midland	266	----	266	----
Milam	895	225	670	----
Montague	1,089	330	759	----
Montgomery	2,810	2,757	53	47
Morris	158	105	53	----
Nacogdoches	2,251	1,934	317	69
Navarro	5,532	2,122	3,410	180
Newton	5,339	5,339	----	----
Nolan	5,838	1,905	3,933	1,155
Nueces	3,095	1,375	1,720	----
Orange	10,108	5,370	4,738	3,438
Palo Pinto	1,477	220	1,257	----
Panola	726	611	115	----
Parker	1,727	565	1,162	(2)
Pecos	106	----	106	----
Polk	2,012	1,920	92	35
Potter	7,980	2,487	5,493	447
Presidio	213	2	211	----
Randall	77	----	77	----
Red River	1,406	645	761	----
Robertson	1,028	955	73	----
Runnels	1,329	107	1,222	----
Rusk	1,654	1,378	276	----
San Augustine	1,100	1,083	17	----
San Saba	58	----	58	----
Scurry	393	250	143	----
Shackelford	203	25	178	----
Shelby	2,900	2,742	158	145
Smith	4,132	1,017	3,115	69
Starr	160	----	160	----
Stephens	1,423	1,197	226	29
Tarrant	59,327	15,564	43,763	2,625
Taylor	3,414	1,143	2,271	107
Titus	422	290	132	----
Tom Green	2,034	415	1,619	----
Travis	6,010	2,863	3,147	49
Trinity	2,649	2,590	59	(2)
Tyler	2,319	2,313	6	43
Upshur	947	812	135	----
Uvalde	258	----	258	----
Val Verde	403	----	403	----
Victoria	838	220	618	----
Walker	2,350	2,231	119	----
Waller	17	15	2	----
Ward	125	100	25	----
Washington	1,742	15	1,727	----
Webb	1,944	1,249	695	40
Wharton	1,186	819	367	----
Wheeler	753	675	78	----
Wichita	13,128	4,984	8,144	360
Wilbarger	4,420	1,681	2,739	475
Williamson	2,332	1,651	681	66
Wilson	1,026	705	321	10
Wise	854	355	499	----
Wood	2,024	1,646	378	20
Young	1,056	750	306	----
All other counties	30,706	15,019	15,687	1,465

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	425,831	$1,417,458	411,444	638,340	897,463	1,296,136	909,965
Anthracite (tons, 2,240 pounds)	57,449	259,487	[3]	29,274	38,600	8,890	21,164
Bituminous (tons, 2,000 pounds)	361,488	1,157,971	[3]	605,553	854,231	1,286,179	886,261
Coke (tons, 2,000 pounds)	55,195	531,046	[4]	[4]	158,963	83,632	86,862
Fuel oils, including crude oils and gas oils (gallons) [5]	595,302,002	10,856,755	[4]	[4]	434,675,682	235,196,010	147,033,516
Gasoline and kerosene (gallons) [5]	610,568	91,542	[4]	[4]	1,273,566		
Gas, natural (M cubic feet)	68,446,988	11,630,092	[4]	[4]	4,883,550	6,040,046	714,292
Gas, manufactured (M cubic feet)	28,325,404	5,414,280	[4]	[4]			
Other fuels		1,755,561	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	728,090,318	9,793,126	[6]	[4]	[4]	[4]	[4]
			Cost	Cost	Cost	Cost	Cost
Total cost of fuel and purchased energy		[7] 41,489,860	$45,789,338	[8]	$22,892,256	$10,738,385	$7,195,109

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	5,198	[3] 21,645	134,498	378,927	443,933	[3] $49,904,900	$151,827,257	$962,750,112	$27,189,516	$1,450,246,431	$460,306,803
Awnings, tents, sails, and canvas covers	22	87	365	.....	238	183,409	312,688	1,378,262	14,001	2,328,683	936,420
Bags, other than paper, not made in textile mills	13	114	872	.....	947	244,811	546,152	9,870,447	20,316	11,343,293	1,452,530
Baskets and rattan and willow ware, not including furniture	14	40	878	1,699	305	101,106	576,985	641,167	4,836	2,067,072	1,421,069
Belting, leather	5	11	16	.....	33	14,655	20,969	104,606	514	168,644	63,524
Beverages	325	336	1,470	1,342	3,193	711,945	1,766,561	4,573,258	190,104	12,116,643	7,353,281
Bone black, carbon black, and lampblack	33	93	842	1,715	2,967	213,388	1,285,911	2,910,221	1,154,993	9,804,128	5,738,914
Bookbinding and blank-book making	9	18	49	.....	68	46,292	55,920	54,496	2,606	278,794	221,692
Boots and shoes, other than rubber	9	17	151	.....	122	47,472	137,076	256,393	5,852	676,650	414,405
Boxes, paper, not elsewhere classified	9	43	326	.....	284	92,424	242,565	981,025	14,602	1,651,047	655,420
Boxes, wooden, except cigar boxes	23	91	1,149	2,447	1,771	225,582	944,147	2,802,387	35,278	5,351,687	2,514,022
Bread and other bakery products	587	535	5,137	1,303	7,905	1,168,233	5,862,247	16,272,113	625,165	35,881,047	18,983,769
Brooms	33	32	252	6	172	58,888	226,854	489,494	8,104	1,000,010	502,412
Butter	61	164	376	133	4,060	342,038	403,301	8,489,444	149,480	11,043,201	2,404,277
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	5	17	315	209	49	24,125	82,639	255,129	3,463	443,424	184,832
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	46	101	597	331	499	186,383	309,929	1,962,013	32,413	3,292,225	1,297,799
Car and general construction and repairs, electric-railroad repair shops	14	55	742	.....	1,195	126,847	911,076	651,565	6,056	1,738,297	1,080,676
Car and general construction and repairs, steam-railroad repair shops	103	1,064	14,633	11,751	32,280	2,630,383	21,693,981	17,209,976	1,391,607	43,008,426	24,406,843
Caskets, coffins, burial cases, and other morticians' goods	14	53	308	640	517	171,615	347,114	1,016,137	16,517	1,934,176	901,522
Cement	9	233	1,484	27,813	21,489	717,285	1,369,175	1,119,737	3,037,156	11,762,429	7,605,536
Cheese	7	9	25	.....	105	15,684	25,842	491,859	6,998	590,617	91,760
Chemicals, not elsewhere classified	6	59	414	1,000	2,754	142,499	601,729	2,486,558	199,916	4,191,015	1,504,541
Clay products (other than pottery) and non-clay refractories	50	229	2,244	4,360	6,666	430,833	1,809,980	381,780	1,266,810	5,816,387	4,167,797
Cleaning and polishing preparations	6	11	17	.....	27	24,019	14,254	67,961	535	191,360	122,864
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	18	31	277	4	74	77,849	199,070	303,987	6,089	750,151	440,075
Clothing, women's, not elsewhere classified	38	143	1,954	.....	248	328,311	1,021,752	2,596,273	28,647	5,310,971	2,686,051
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	36	192	3,390	110	840	402,921	1,776,111	5,298,006	46,251	9,159,341	3,815,084
Coffee and spice, roasting and grinding	63	184	370	10	1,665	563,921	364,621	12,415,465	61,805	16,807,165	4,331,895
Compressed and liquefied gases	21	178	141	377	4,853	282,142	184,238	456,961	195,052	2,183,154	1,531,201
Concrete products	52	100	522	24	1,493	230,419	641,469	624,254	18,879	2,189,351	1,546,218
Confectionery	72	183	1,184	429	1,061	400,759	780,093	3,175,908	65,439	6,526,351	3,285,004
Cooperage	12	16	145	40	456	44,114	128,513	575,591	6,533	941,067	358,943
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	79	99	544	20	666	218,247	774,655	2,005,151	20,676	4,001,036	1,975,209
Cotton goods	27	222	4,649	4,268	15,506	531,149	3,289,506	10,853,544	623,280	18,862,217	7,385,393
Druggists' preparations	6	39	61	.....	114	97,859	64,462	238,918	9,934	779,571	530,719
Electrical machinery, apparatus, and supplies	17	33	150	120	441	72,610	152,515	451,429	26,557	917,469	439,483
Electroplating	5	1	27	.....	77	[4]	31,599	11,536	2,627	74,038	59,875
Engraving, steel and copperplate, and plate printing	9	51	170	.....	86	133,052	218,186	249,272	7,206	926,082	669,604
Feeds, prepared, for animals and fowls	43	167	373	1,291	7,020	380,091	397,533	10,870,150	92,644	13,905,079	2,942,285
Fertilizers	13	24	177	.....	1,360	43,573	152,077	1,928,035	19,483	2,920,748	973,230
Flavoring extracts and flavoring sirups	15	71	82	.....	205	199,236	164,865	1,740,953	20,153	5,064,120	3,303,014

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
Flour and other grain-mill products	107	617	1,326	12,102	15,723	$1,524,227	$1,631,279	$41,107,356	$402,684	$51,378,284	$9,868,244
Food preparations, not elsewhere classified	46	69	406	220	564	172,065	283,432	2,372,268	40,838	4,084,783	1,671,677
Foundry and machine-shop products, not elsewhere classified	199	1,285	8,422	1,488	29,297	4,460,465	11,226,370	15,745,213	972,795	49,180,837	32,462,829
Furnishing goods, men's, not elsewhere classified	3	6	60	-------	16	12,945	22,212	99,193	1,243	207,704	107,268
Furniture, including store and office fixtures	44	177	1,512	670	4,127	488,722	1,813,963	2,893,739	80,923	6,739,923	3,765,261
Glass products (except mirrors) made from purchased glass	6	14	51	-------	48	34,756	76,783	190,203	1,468	371,939	180,268
Hand stamps and stencils and brands	7	12	38	-------	12	38,690	44,683	49,899	1,269	210,321	159,153
Hats and caps, except felt and straw, men's	4	16	50	-------	16	47,295	29,802	105,797	1,448	296,298	189,053
House-furnishing goods, not elsewhere classified	6	5	32	-------	7	9,680	18,980	190,199	859	255,016	63,958
Ice cream	126	192	681	412	5,742	421,578	875,091	3,795,132	236,482	7,990,224	3,958,610
Ice, manufactured	439	591	2,946	44,308	53,706	1,268,459	3,368,148	704,279	2,550,452	19,192,105	15,937,374
Ink, printing	3	14	10	-------	153	22,392	10,674	58,858	3,355	130,245	68,032
Jewelry	9	7	43	-------	22	10,211	55,739	66,315	1,333	203,413	135,765
Lime	6	34	413	342	1,842	94,934	347,828	396,444	175,098	1,274,965	703,423
Lithographing	6	62	111	-------	170	177,862	167,699	296,883	6,819	835,636	531,934
Lumber and timber products, not elsewhere classified	325	819	16,387	57,462	725	1,862,422	13,915,100	15,559,567	198,594	44,506,136	28,747,975
Macaroni, spaghetti, vermicelli, and noodles	10	28	97	-------	310	50,613	56,497	270,389	14,236	521,186	236,561
Marble, granite, slate, and other stone products	61	72	467	245	9,400	172,537	692,861	840,078	65,983	2,490,769	1,584,708
Mattresses and bed springs, not elsewhere classified	72	62	443	37	1,479	132,504	422,001	1,375,459	29,975	2,586,592	1,181,158
Meat packing, wholesale	41	805	3,650	8,249	14,959	1,851,717	4,131,724	75,556,456	685,744	88,273,991	12,031,791
Millinery	17	84	397	-------	37	209,501	338,263	843,125	10,378	1,899,170	1,045,667
Mirror and picture frames	3	1	9	-------	8	(3)	7,912	38,544	452	59,942	20,946
Mirrors, framed and unframed	6	4	20	5	46	5,034	27,025	39,681	1,095	108,753	67,977
Models and patterns, not including paper patterns	6	1	16	-------	73	(4)	21,569	9,269	1,114	71,400	61,017
Motor-vehicle bodies and motor-vehicle parts	16	43	218	-------	1,243	119,127	274,247	382,453	17,783	1,076,008	675,772
Nonferrous-metal alloys and products, not including aluminum products	12	38	150	-------	717	106,235	219,010	1,288,083	33,876	1,987,770	665,811
Oil, cake, and meal, cottonseed	176	961	4,480	40,709	33,759	2,100,237	3,474,890	77,680,210	1,574,497	93,351,198	16,096,491
Paints and varnishes	18	99	173	-------	790	257,412	174,374	1,845,839	24,455	3,118,219	1,247,925
Patent or proprietary medicines and compounds	23	51	77	-------	39	169,552	66,995	500,297	3,249	1,485,427	981,881
Peanuts, walnuts, and other nuts, processed or shelled	23	78	1,835	761	878	145,813	555,594	4,336,860	30,904	6,417,560	2,049,796
Perfumes, cosmetics, and other toilet preparations	12	31	86	-------	23	49,376	56,997	232,120	1,581	686,826	453,125
Petroleum refining	83	2,811	19,434	107,631	75,009	5,782,967	27,286,414	420,755,654	6,649,803	519,005,136	91,599,679
Photo-engraving, not done in printing establishments	16	71	127	-------	147	200,483	316,298	78,142	11,273	943,826	854,411
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	122	385	2,144	4,874	8,515	1,052,841	2,496,339	5,783,830	132,828	11,372,167	5,455,509
Pottery, including porcelain ware	9	9	70	194	199	23,340	71,124	17,001	17,395	201,398	167,002
Poultry killing, dressing, and packing, wholesale	44	103	653	569	810	214,918	497,299	9,875,045	43,218	11,687,343	1,769,080
Printing and publishing, book and job	321	737	2,375	2	3,246	1,699,564	3,469,087	3,523,512	135,655	13,214,351	9,555,184
Printing and publishing, newspaper and periodical	492	3,863	3,731	451	9,026	7,513,595	6,749,424	8,887,591	382,472	38,423,907	29,153,844
Rice cleaning and polishing	12	107	353	3,524	1,566	288,302	331,178	8,284,960	66,157	10,302,976	1,951,859
Rubber goods other than tires, inner tubes, and boots and shoes	6	27	98	-------	357	42,406	70,417	139,495	6,555	405,004	258,954
Saddlery and harness	20	78	326	-------	331	153,736	350,871	1,489,572	10,300	2,353,887	884,015
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	7	17	77	200	293	34,411	76,490	1,037,527	9,989	1,371,826	324,310
Ship and boat building, steel and wooden, including repair work	9	49	579	160	3,133	145,268	886,213	568,132	42,635	2,308,035	1,697,268
Shirts	7	10	214	50	25	15,900	147,827	327,588	3,999	623,176	291,589
Shortenings (not including lard) and vegetable cooking oils	8	108	308	2,850	1,149	238,542	359,757	14,836,608	145,393	17,709,031	2,727,030
Signs and advertising novelties	30	68	269	-------	149	193,168	346,339	321,562	9,176	1,409,572	1,078,834
Steel barrels, kegs, and drums	4	37	254	325	516	127,452	342,105	1,822,440	9,998	2,733,805	901,367
Stereotyping and electrotyping, not done in printing establishments	4	2	23	-------	106	(4)	37,025	18,103	4,221	102,254	79,930
Stoves and ranges (other than electric) and warm-air furnaces	3	-------	7	-------	8	----------	6,200	16,000	----------	29,065	13,065
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	32	411	1,460	851	5,575	885,484	1,969,016	6,034,231	101,562	11,309,178	5,173,385
Surgical and orthopedic appliances, including artificial limbs	4	4	16	-------	18	8,580	18,285	13,774	635	81,400	66,991
Trunks, suitcases, and bags	7	27	111	-------	171	65,728	93,581	196,145	3,501	456,535	256,889
Vinegar and cider	4	17	26	-------	75	42,730	26,465	235,979	3,935	517,434	277,520
Wall plaster, wall board, insulating board, and floor composition	7	54	460	1,230	6,539	119,295	655,413	1,542,562	253,398	3,841,367	2,045,407
Window and door screens and weather strip	10	39	100	-------	357	63,025	115,496	231,794	9,018	496,218	255,406
Window shades and fixtures	11	24	74	-------	29	48,921	73,291	801,275	2,124	1,114,122	310,723
Wirework, not elsewhere classified	4	8	35	-------	57	19,266	48,616	93,965	2,219	176,429	80,245
Wood preserving	9	190	1,733	4,244	2,520	326,855	1,879,482	15,967,060	299,184	21,622,654	5,356,410
Wood turned and shaped and other wooden goods, not elsewhere classified	6	8	86	500	3	18,695	61,055	135,584	1,950	260,279	122,745
Other industries	146	957	7,871	22,820	24,262	2,698,098	8,750,708	82,585,372	2,221,364	125,154,250	40,347,514

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 3,149 employees of central administrative offices, with salaries aggregating $3,382,230. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR IMPORTANT COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publisb such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products tban some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
BEXAR COUNTY											
All industries, total	412	1,775	9,395	12,762	27,328	$3,876,899	$8,946,800	$34,415,729	$1,320,491	$60,804,038	$25,067,818
Beverages	9	34	144	1,010	221	93,742	186,005	298,762	17,654	914,679	598,263
Bread and other bakery products	69	86	565	209	712	188,206	633,833	1,726,864	73,235	3,703,521	1,903,422
Clothing, women's, not elsewhere classified	9	50	521	-------	51	95,414	330,158	560,536	6,480	1,446,036	879,020
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	7	22	312	-------	76	48,090	159,075	455,574	4,956	830,298	369,768
Coffee and spice, roasting and grinding	8	43	40	-------	178	128,922	43,342	1,564,641	8,819	2,125,678	552,218
Compressed and liquefied gases	4	12	16	70	370	26,976	21,312	3,678	18,136	182,476	160,662
Concrete products	11	25	141	-------	199	57,316	185,250	127,584	3,700	500,060	368,776
Confectionery	11	36	247	14	208	105,015	144,760	630,853	10,129	1,184,596	543,614
Electrical machinery, apparatus, and supplies	3	5	48	-------	67	10,940	30,633	93,855	5,590	181,287	81,872
Feeds, prepared, for animals and fowls	6	7	23	75	406	12,925	24,642	377,570	8,690	539,771	153,511
Food preparations, not elsewhere classified	12	20	201	-------	305	59,500	115,580	780,775	22,116	1,464,835	661,944
Foundry and machine-shop products, not elsewhere classified	12	135	596	-------	1,463	349,817	811,907	777,039	36,223	2,292,455	1,479,193
Furniture, including store and office fixtures	5	7	45	-------	112	9,276	55,615	50,916	1,725	176,413	123,772
Ice cream	6	6	29	-------	281	10,625	41,851	202,802	10,523	458,408	245,083
Ice, manufactured	16	28	143	1,625	3,913	68,078	154,064	28,144	187,530	1,024,960	809,286
Marble, granite, slate, and other stone products	7	9	45	50	147	22,219	51,114	54,043	4,523	235,249	176,683
Mattresses and bed springs, not elsewhere classified	6	13	45	-------	122	20,440	39,125	122,930	1,909	223,526	98,687
Meat packing, wholesale	9	74	272	430	712	148,303	283,117	4,660,836	50,457	5,592,070	880,777
Oil, cake, and meal, cottonseed	4	24	114	960	871	53,555	93,327	2,941,347	48,403	3,236,526	246,776
Peanuts, walnuts, and other nuts, processed or shelled	10	23	1,189	6	47	37,991	233,530	716,958	3,401	1,593,716	873,357
Perfumes, cosmetics, and other toilet preparations	3	5	31	-------	8	5,793	19,610	70,015	438	137,867	67,414
Petroleum refining	5	30	142	350	570	63,990	190,070	4,985,833	26,561	5,472,211	459,815
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	11	50	407	296	1,142	142,320	480,805	693,671	15,093	1,598,522	889,758
Printing and publishing, book and job	32	62	295	-------	356	125,843	349,559	424,793	14,652	1,483,156	1,043,711
Printing and publishing, newspaper and periodical	16	432	321	-------	863	706,568	624,307	1,096,898	25,101	3,532,554	2,410,555
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	3	8	33	-------	158	10,191	23,724	325,869	4,839	445,946	115,238
Signs and advertising novelties	4	10	40	-------	23	20,200	41,444	32,121	1,307	126,248	92,820
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	9	87	368	-------	850	217,012	403,061	1,102,497	20,125	2,417,024	1,294,402
Other industries	105	432	3,022	7,667	12,897	1,034,632	3,175,980	9,508,323	688,206	17,683,950	7,487,421
DALLAS COUNTY											
All industries, total	572	3,142	13,853	28,643	45,567	$7,998,600	$15,516,789	$100,471,091	$2,391,978	$168,211,802	$65,348,733
Beverages	9	28	116	18	284	72,613	185,126	480,290	14,886	1,301,311	806,135
Bookbinding and blank-book making	4	17	32	-------	50	44,992	34,264	45,860	1,850	213,515	165,805
Boxes, wooden, except cigar boxes	3	10	75	200	90	26,850	55,332	146,302	3,092	279,795	130,401
Bread and other bakery products	43	144	1,056	700	1,207	294,559	1,032,419	3,279,803	90,989	8,080,607	4,709,815
Brooms	4	7	69	-------	22	15,215	67,321	159,289	1,922	289,958	128,747
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	6	23	49	-------	72	51,315	37,362	518,460	4,663	874,039	350,916
Car and general construction and repairs, steam-railroad repair shops	4	14	171	30	1,312	36,171	265,491	237,336	23,414	562,412	301,662
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	4	7	125	4	31	19,510	87,383	67,188	3,242	256,076	185,646
Clothing, women's, not elsewhere classified	13	55	801	-------	107	154,102	423,533	1,363,386	14,465	2,409,300	1,031,449
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	6	16	389	-------	140	36,340	240,780	577,623	6,371	997,381	413,387
Coffee and spice, roasting and grinding	7	25	67	-------	276	75,376	68,703	1,406,169	8,609	1,950,807	536,029
Confectionery	17	52	442	315	339	96,159	303,580	1,213,094	21,079	2,449,184	1,215,011
Concrete products	7	13	78	-------	619	28,458	117,501	92,479	2,628	317,127	222,020
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	13	8	88	10	214	17,935	136,493	288,758	1,840	619,157	328,559
Engraving, steel and copperplate, and plate printing	3	13	41	-------	18	32,860	55,760	28,805	2,954	187,613	155,854
Flavoring extracts and flavoring sirups	5	25	29	-------	88	76,554	32,987	1,409,527	4,252	4,103,907	2,690,128
Flour and other grain-mill products	5	49	182	1,500	800	129,341	240,392	4,951,655	35,877	6,058,735	1,071,203
Food preparations, not elsewhere classified	10	16	52	5	109	31,171	45,130	475,531	4,518	722,681	242,632
Foundry and machine-shop products, not elsewhere classified	30	202	1,095	400	3,223	695,495	1,570,761	3,515,830	83,217	9,533,528	5,934,481
Furniture, including store and office fixtures	17	76	488	-------	1,471	214,306	559,000	1,072,239	24,668	2,265,969	1,169,062
Ice cream	10	25	100	-------	739	75,342	136,250	499,507	30,470	1,076,736	546,759
Ice, manufactured	25	34	172	6,730	3,523	139,932	215,551	62,001	220,622	1,456,974	1,174,351
Jewelry	4	3	15	-------	9	3,582	27,103	47,587	687	103,326	55,052
Mattresses and bed springs, not elsewhere classified	7	3	31	-------	129	9,380	34,965	93,743	2,792	162,591	66,056
Nonferrous-metal alloys and products, not including aluminum products	3	3	14	-------	43	11,678	20,910	42,787	1,793	97,724	53,144
Oil, cake, and meal, cottonseed	6	54	305	1,860	1,385	159,756	295,427	11,679,569	132,711	12,933,979	1,121,699
Paints and varnishes	11	41	108	-------	334	142,231	102,358	1,241,990	16,684	2,007,684	749,010
Patent or proprietary medicines and compounds	9	22	38	-------	15	83,678	39,175	303,380	1,720	897,262	592,162
Perfumes, cosmetics, and other toilet preparations	3	7	21	-------	12	10,028	10,915	62,472	712	211,854	148,670
Photo-engraving, not done in printing establishments	3	15	31	-------	29	62,207	89,290	22,955	3,943	247,522	220,624

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 13.—GENERAL STATISTICS FOR IMPORTANT COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
DALLAS COUNTY—Continued											
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	11	55	212	645	544	$175,522	$275,211	$684,934	$10,636	$1,307,143	$611,573
Printing and publishing, book and job	72	199	524	-------	922	476,488	899,142	925,954	35,953	3,508,993	2,547,086
Printing and publishing, newspaper and periodical	30	751	437	400	1,870	1,515,935	903,086	2,894,166	50,900	7,699,453	4,754,387
Signs and advertising novelties	12	25	122	-------	84	112,672	149,430	144,535	3,573	570,718	422,610
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	6	111	343	86	1,277	233,948	497,432	1,430,202	16,756	2,602,261	1,155,303
Other industries	150	994	5,935	15,740	24,189	2,636,899	6,261,226	59,005,685	1,507,490	89,854,480	29,341,305
EL PASO COUNTY											
All industries, total	160	826	6,224	20,082	16,135	$1,934,670	$6,548,115	$38,738,066	$1,433,505	$54,474,189	$14,302,618
Beverages	7	12	45	-------	76	17,906	42,517	114,792	3,704	271,868	153,372
Bread and other bakery products	23	24	259	2	268	48,765	297,755	718,609	38,603	1,529,756	772,544
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	3	1	9	11	5	(1)	3,360	30,820	124	50,271	19,327
Car and general construction and repairs, steam-railroad repair shops	5	99	1,730	1,053	1,468	251,282	2,588,898	1,669,799	112,287	4,622,266	2,840,180
Coffee and spice, roasting and grinding	5	7	20	-------	60	17,590	16,213	268,935	2,939	383,037	111,163
Compressed and liquefied gases	4	8	9	-------	150	15,936	14,885	40,800	13,772	151,713	97,141
Concrete products	3	2	13	12	33	(1)	10,095	10,379	334	40,945	30,232
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	4	11	33	-------	107	29,279	43,604	219,102	1,792	359,537	138,643
Flour and other grain-mill products	4	22	47	-------	545	55,444	42,551	889,259	12,534	1,058,840	157,047
Ice cream	5	2	27	-------	272	(1)	34,288	144,206	8,133	297,269	144,930
Ice, manufactured	4	15	90	1,110	1,633	44,701	91,146	32,309	80,465	599,045	486,271
Oil, cake, and meal, cottonseed	5	28	128	-------	2,228	43,725	70,126	1,293,039	41,029	1,801,969	467,901
Printing and publishing, book and job	13	46	80	-------	98	99,422	96,610	81,439	5,014	403,838	317,385
Printing and publishing, newspaper and periodical	11	197	223	-------	436	381,784	377,845	251,616	21,756	1,573,224	1,299,863
Other industries	64	352	3,511	17,894	8,756	928,836	2,818,322	32,972,963	1,091,019	41,330,611	7,266,629

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

HARRIS COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Petroleum refining"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	475	4,082	22,131	30,224	89,831	$9,812,094	$28,096,678	$187,367,151	$4,362,198	$285,227,185	$93,497,836

JEFFERSON COUNTY

All industries, total	141	2,037	14,386	59,733	31,568	$4,735,209	$19,630,752	$231,250,410	$4,346,106	$297,159,552	$61,563,036
Beverages	8	15	42	-------	75	28,215	54,491	148,617	3,822	379,609	227,170
Bread and other bakery products	23	21	171	-------	403	35,534	233,312	637,067	27,795	1,308,348	643,486
Coffee and spice, roasting and grinding	5	20	14	-------	71	35,425	17,400	355,946	5,942	480,855	118,967
Foundry and machine-shop products, not elsewhere classified	11	60	509	550	2,073	224,501	727,633	857,973	88,219	2,929,925	1,983,733
Ice cream	6	5	33	-------	137	20,240	33,737	189,280	7,253	367,358	170,826
Ice, manufactured	10	42	120	530	1,915	95,862	163,256	11,803	90,508	581,454	479,143
Lumber and timber products, not elsewhere classified	8	41	736	2,890	75	107,245	716,190	1,032,093	2,089	2,627,273	1,593,091
Mattresses and bed springs, not elsewhere classified	3	-------	17	-------	23	----------	16,794	50,862	734	96,708	45,112
Petroleum refining	6	1,360	10,798	82,008	18,114	3,076,908	15,001,738	217,668,126	3,897,782	270,756,281	49,190,373
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	3	21	66	-------	317	113,728	98,247	194,182	6,755	506,577	305,640
Printing and publishing, book and job	10	18	55	-------	69	45,138	82,733	66,225	3,871	317,095	246,999
Rice cleaning and polishing	3	27	86	750	830	85,542	82,460	2,105,911	42,607	2,622,792	474,274
Other industries	47	407	1,739	3,005	7,466	866,871	2,402,861	7,932,325	168,729	14,185,277	6,084,223

TARRANT COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Meat packing, wholesale"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	246	1,914	8,600	15,564	43,763	$4,596,309	$10,607,660	$96,077,438	$2,077,969	$131,336,433	$33,181,026

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown seperetely]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
DALLAS											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish seperete figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	535	2,828	12,048	17,510	31,761	$7,192,920	$13,630,181	$82,400,585	$1,243,762	$142,512,320	$58,867,973
EL PASO											
All industries, total	147	714	5,160	4,382	10,669	$1,585,427	$5,453,576	$13,306,370	$531,704	$24,605,307	$10,767,233
Beverages	7	12	45	.....	76	17,906	42,517	114,792	3,704	271,878	153,382
Bread and other bakery products	23	24	259	2	268	48,765	297,755	718,609	38,603	1,529,756	772,544
Car and general construction and repairs, steam-railroad repair shops	5	99	1,730	1,053	1,468	251,282	2,588,898	1,669,799	112,287	4,622,266	2,840,180
Coffee and spice, roasting and grinding	5	7	20	.....	60	17,590	16,213	268,935	2,939	383,037	111,163
Compressed and liquefied gases	4	8	9	.....	150	15,936	14,885	40,800	13,772	151,713	97,141
Concrete products	3	2	13	12	33	(1)	10,095	10,379	334	40,945	30,232
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	4	11	33	.....	107	29,279	43,604	219,102	1,792	359,537	138,643
Flour and other grain-mill products [2]	4	22	47	.....	545	55,444	42,551	889,259	12,534	1,058,840	157,047
Ice cream	5	2	27	.....	272	(1)	34,288	144,206	8,133	297,269	144,930
Ice, manufactured	4	15	90	1,110	1,633	44,701	91,146	32,309	80,465	599,045	486,271
Printing and publishing, book and job	13	46	80	.....	98	99,422	96,510	81,439	5,014	403,838	317,385
Printing and publishing, newspaper and periodical [2]	11	197	223	.....	436	381,784	377,845	251,615	21,756	1,573,224	1,296,853
Other industries [3]	59	269	2,584	2,205	5,523	623,318	1,797,269	8,865,126	230,371	13,313,959	4,218,462

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
[2] The items for each of the 2 industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.
[3] See footnote 2.

All industries, total	228	1,751	6,461	14,793	31,488	$4,192,519	$8,273,505	$84,695,219	$1,225,042	$113,614,152	$27,693,891
FORT WORTH											
[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely "Meat packing, wholesale"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which seperate figures could be given would be misleading, and therefore no such statistics are included in this report]											
All industries, total	429	3,101	16,264	12,856	51,155	$8,215,658	$20,301,484	$77,482,970	$2,288,204	$145,049,659	$65,278,485
HOUSTON											
Bags, other than paper, not made in textile mills	7	55	419	.....	663	123,324	306,907	5,229,102	10,868	6,074,198	834,228
Beverages [4]	11	20	113	.....	165	58,833	125,809	324,540	5,050	840,080	510,490
Bread and other bakery products	46	82	836	325	930	195,537	1,075,849	2,958,146	81,639	6,939,220	3,899,435
Brooms	5	5	26	.....	21	7,715	25,987	48,175	569	119,433	70,689
Clothing, women's, not elsewhere classified	8	23	389	.....	56	54,770	179,116	434,791	4,584	1,014,705	575,330
Coffee and spice, roasting and grinding	7	50	135	.....	534	165,317	121,877	6,868,004	20,102	9,282,747	2,394,641
Concrete products [4]	10	32	159	3	249	89,472	178,733	122,712	3,323	515,230	389,195
Confectionery	6	8	30	.....	54	16,710	23,996	76,518	1,924	162,879	84,437
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	13	42	139	.....	153	92,165	164,381	893,794	4,256	1,442,707	544,657
Electrical machinery, apparatus, and supplies	4	11	35	.....	97	26,067	46,318	108,122	2,425	213,364	102,817
Foundry and machine-shop products, not elsewhere classified [4]	41	585	4,242	.....	15,900	2,231,683	5,621,597	5,772,025	483,520	22,216,119	15,960,574
Furniture, including store and office fixtures	7	47	522	120	1,233	149,671	745,040	788,974	25,942	2,188,637	1,370,721
Ice cream	7	34	121	70	773	91,000	140,037	752,466	33,435	1,469,235	683,334
Ice, manufactured	23	47	216	3,700	5,355	114,555	307,641	25,796	251,617	1,507,790	1,230,377
Marble, granite, slate, and other stone products	3	17	72	.....	378	49,121	117,486	115,686	8,839	378,479	253,954
Mattresses and bed springs, not elsewhere classified	8	23	134	.....	466	46,644	122,726	373,029	11,104	830,130	445,997
Plening-mill products (including general millwork), not made in planing mills connected with sawmills	18	79	316	465	871	189,651	411,320	995,022	12,754	1,852,679	844,903
Poultry killing, dressing, and packing, wholesale	3	5	18	.....	.....	9,470	15,346	232,800	769	349,052	115,483
Printing and publishing, book and job	50	165	417	.....	452	397,011	628,072	685,027	18,880	2,522,070	1,818,163
Printing and publishing, newspaper and periodical	11	712	387	.....	1,166	1,433,615	891,414	1,456,238	34,312	6,650,886	5,160,336
Rice cleaning and polishing	4	44	128	1,600	637	122,932	122,123	3,772,393	14,764	4,634,779	847,622
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	66	307	.....	1,088	139,166	416,281	1,323,909	14,574	2,304,564	966,081
Other industries [5]	133	949	7,103	6,573	19,914	2,411,229	8,513,428	44,125,701	1,244,954	71,545,676	26,175,021

[4] The items for each of the 3 industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.
[5] See footnote 4.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
SAN ANTONIO											
[The totals for all industries do not include data for a few establishments located outside the city (see footnote 6), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	390	1,643	8,692	6,608	18,807	$3,546,733	$8,271,292	$29,811,798	$757,951	$53,372,775	$22,803,026
Beverages	9	34	144	1,010	221	93,742	186,005	298,762	17,654	914,679	598,263
Bread and other bakery products	69	86	565	209	712	188,206	633,833	1,726,864	73,235	3,703,521	1,903,422
Clothing, women's, not elsewhere classified	9	50	521	-------	51	95,414	330,158	560,536	6,480	1,446,036	879,020
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	7	22	312	-------	76	48,090	159,075	455,574	4,956	830,298	369,768
Coffee and spice, roasting and grinding	8	43	40	-------	178	128,922	43,342	1,564,641	8,819	2,125,678	552,218
Compressed and liquefied gases	4	12	16	70	370	26,976	21,312	3,678	18,136	182,476	160,662
Concrete products [6]	11	25	141	-------	199	57,316	185,250	127,584	3,700	500,060	368,776
Confectionery	11	36	247	14	208	105,015	144,760	630,853	10,129	1,184,596	543,614
Electrical machinery, apparatus, and supplies	3	5	48	-------	67	10,940	30,633	93,855	5,560	181,287	81,872
Feeds, prepared, for animals and fowls [6]	6	7	23	75	406	12,925	24,642	377,570	8,690	539,771	153,511
Food preparations, not elsewhere classified	12	20	201	-------	305	59,500	115,580	780,775	22,116	1,464,835	661,944
Foundry and machine-shop products, not elsewhere classified [6]	12	135	596	-------	1,463	349,817	811,907	777,039	36,223	2,292,455	1,479,193
Furniture, including store and office fixtures	5	7	45	-------	112	9,276	55,615	50,916	1,725	176,413	123,772
Ice cream	6	6	29	-------	281	10,625	41,851	202,802	10,523	458,408	245,083
Ice, manufactured [6]	16	28	143	1,625	3,913	68,078	154,064	28,144	187,530	1,024,960	809,286
Marble, granite, slate, and other stone products	7	9	45	50	147	22,219	51,114	54,043	4,523	235,249	176,683
Mattresses and bed springs, not elsewhere classified	6	13	45	-------	122	20,440	39,125	122,930	1,909	223,526	98,687
Meat packing, wholesale	9	74	272	430	712	148,303	283,117	4,660,836	50,457	5,592,070	880,777
Oil, cake, and meal, cottonseed	4	24	114	960	871	53,555	93,327	2,941,347	48,403	3,236,526	246,776
Peanuts, walnuts, and other nuts, processed or shelled [6]	10	23	1,189	6	47	37,991	233,530	716,958	3,401	1,593,716	873,357
Perfumes, cosmetics, and other toilet preparations	3	5	31	-------	8	8,793	19,610	70,015	438	137,867	67,414
Planing-mill products (including general millwork), not made in planing mills connected with sawmills [6]	11	50	407	296	1,142	142,320	480,805	693,671	15,093	1,598,522	889,758
Printing and publishing, book and job	32	62	295	-------	356	125,843	349,559	424,793	14,652	1,483,156	1,043,711
Printing and publishing, newspaper and periodical	16	432	321	-------	863	706,568	624,307	1,096,898	25,101	3,532,554	2,410,555
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	3	8	33	-------	158	10,191	23,724	325,869	4,839	445,946	115,238
Signs and advertising novelties	4	10	40	-------	23	20,200	41,444	32,121	1,307	126,248	92,820
Other industries	103	427	2,881	1,938	6,113	1,003,088	3,138,414	11,052,466	180,790	18,304,194	7,070,938

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[6] The figures for each of the 6 industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.

UTAH

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	651	15,601	123,737	55,311	68,426	$19,698,684	$157,902,021	$150,715,551	$7,186,470	$214,628,855	$56,726,834
1927	556	13,585	112,233	50,316	61,917	16,688,574	120,567,348	113,587,697	6,979,651	163,118,376	42,551,028
1925	517	15,077	124,735	67,022	57,713	18,199,536	127,543,099	(4)	(4)	177,224,538	49,681,439
1923	585	14,945	[5] 78,733	(6)	(6)	18,344,336	114,182,714	(4)	(4)	161,606,595	47,423,881
1921	645	13,310	(7)	(7)	(7)	18,392,185	74,872,522	(4)	(4)	111,055,200	36,182,678
1919	1,160	18,868	92,797	51,522	41,275	21,454,997	110,154,349	103,106,399	7,047,950	156,933,071	46,778,722
1914	1,109	13,894	59,536	37,984	21,552	10,852,332	62,233,180	57,488,374	4,744,806	87,112,360	24,879,180
1909	749	11,785	42,899	32,307	10,592	8,399,634	41,265,661	37,385,792	3,879,869	61,989,277	20,723,616
1904	606	8,052	19,397	16,456	2,941	5,157,400	24,939,827	22,808,925	2,130,902	38,926,464	13,986,637
1899	575	5,413	12,659	11,071	1,588	2,762,522	11,440,250	(8)	(8)	17,981,648	6,541,398
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	17.1	14.8	10.3	9.9	10.5	18.0	31.0	32.7	3.0	31.6	33.3
1925–1927	7.5	−9.9	−10.0	−24.9	7.3	−8.3	−5.5			−8.0	−14.4
1923–1925	−11.6	0.9	58.4			−0.8	11.7			9.7	4.8
1921–1923	−9.3	12.3				−0.3	52.5			45.5	31.1
1919–1921	−44.4	−29.5				−14.3	−32.0			−29.2	−22.7
1919–1929	−43.9	−17.3	33.3	7.4	65.8	−8.2	43.3	46.2	2.0	36.8	21.3
1909–1919	54.9	60.1	116.3	59.5	289.7	155.4	166.9	175.8	81.7	153.2	125.7
1899–1909	30.3	117.7	238.9	191.8	567.0	204.1	260.7			244.7	216.8

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Revised.
[6] Not tabulated separately.
[7] Not called for on schedule.
[8] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	507,847	651	15,601	123,737	$19,698,684	$157,902,021	$150,715,551	$7,186,470	$214,628,855	$56,726,834
Counties [3]										
Beaver	5,136	6	75	215	137,472	342,542	325,761	16,781	529,608	187,066
Box Elder	17,810	20	323	5,010	326,595	1,737,560	1,623,681	113,879	2,853,384	1,115,824
Cache	27,424	37	634	4,837	711,946	5,378,924	5,254,727	124,197	8,066,760	2,687,836
Carbon	17,798	13	35	214	49,925	221,478	161,611	59,867	382,529	161,051
Davis	14,021	14	474	3,834	501,988	4,542,774	4,449,139	93,635	6,400,170	1,837,396
Duchesne	8,265	5	13	230	12,299	360,867	358,042	2,825	403,043	42,176
Juab	8,605	7	36	384	46,717	112,433	105,550	6,883	247,617	135,184
Millard	9,945	10	79	211	140,647	362,292	344,153	18,139	545,321	183,029
Morgan	2,536	5	153	3,930	196,621	482,030	305,854	176,176	1,182,579	700,549
Salt Lake [4]	194,102	290	8,135	59,517	10,599,132	98,603,464	96,351,999	2,251,465	130,661,203	32,057,739
Sanpete	16,022	13	139	1,319	132,991	821,393	788,871	32,522	1,472,385	650,992
Sevier	11,199	13	52	549	73,347	336,784	321,794	14,990	526,442	189,658
Summit	9,527	8	66	79	63,601	202,486	199,079	3,407	356,001	153,515
Uintah	9,035	7	16	119	20,461	158,687	154,068	4,619	206,376	47,689
Utah	49,021	74	1,460	15,495	1,684,695	8,742,273	5,696,998	3,045,275	15,242,795	6,500,522
Wasatch	5,636	6	94	603	134,292	231,564	222,743	8,821	430,020	198,456
Weber	52,172	96	2,972	15,300	3,457,489	17,363,482	16,938,492	424,990	25,691,120	8,327,638
All other counties [5]	49,595	27	845	11,901	1,408,466	17,900,988	17,112,989	787,999	19,431,502	1,530,514
Cities having 10,000 inhabitants or more										
Ogden	40,272	84	2,342	10,965	2,892,006	12,367,637	12,047,809	319,828	19,011,445	6,643,808
Provo	14,766	27	514	2,324	607,997	1,203,440	1,149,663	53,777	2,362,025	1,158,585
Salt Lake City [4]	140,267	261	5,655	19,627	7,311,140	21,735,767	20,987,482	748,285	42,197,235	20,461,468

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group "All other counties". Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
[4] Because of the amount of manufacturing industry in Salt Lake County and in Salt Lake City, it had been planned to publish statistics by industries for both the county and the city. It is found, however, that no figures can be given for the most important industries without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given, either for the county or for the city, would be misleading, and therefore no such statistics are included in this report. The leading industry in Salt Lake County was "Smelting and refining, copper"; the most important industries in Salt Lake City were "Car and general construction and repairs, steam-railroad repair shops," as measured by number of wage earners, and "Petroleum refining," as measured by value of products.
[5] Emery, Garfield, Grand, Iron, Piute, Rich, San Juan, Tooele, and Washington Counties. (See footnote 3.) No manufacturing was reported from Daggett, Kane, and Wayne Counties.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	18,833	15,746	3,087	323	308	15	[2] 335	[2] 319	[2] 16	[2] 2,574	[2] 2,053	[2] 521	15,601	[3] 13,066	[3] 2,535
1919 [1, 4]	23,107	19,881	3,226	1,089	1,030	59	266	259	7	2,884	2,295	589	18,868	16,297	2,571
1914 [4]	17,126	15,143	1,983	999	968	31	192	184	8	2,041	1,832	209	13,894	12,159	1,736
1909	14,133	12,680	1,453	688	673	15	135	132	3	1,525	1,313	212	11,785	10,562	1,223

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 73; male, 72; female, 1. Other salaried officers and employees—total, 209; male, 148; female, 61. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Percent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	15,601	12,809	*12,671*	13,210	13,763	13,890	14,805	17,768	18,280	**19,708**	19,341	16,486	14,683	64.3
1919 [1]	18,868	18,819	17,028	16,280	*16,196*	16,286	17,400	19,152	19,600	20,412	22,592	21,740	20,911	71.7
1914 [1]	13,894	13,035	*12,582*	12,578	13,101	13,386	14,262	15,401	14,993	**15,794**	15,525	13,334	12,937	78.4
1909 [1]	11,785	11,412	*10,449*	10,594	10,830	10,749	11,868	12,436	12,234	**13,277**	13,070	12,445	12,053	78.7

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	651	15,601	45 and over but under 48	26	854
			48	255	6,754
Not reported	36	80	Over 48 but under 54	26	547
Under 40	13	15	54	54	901
40	3	177	Over 54 but under 60	61	3,282
Over 40 but under 44	6	14	60 and over	73	1,372
44 and over but under 45	98	1,605			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	651	1,160	749	15,601	18,868	11,785	51 to 100	41	36	13	2,828	2,670	885
							101 to 250	27	28	15	3,893	4,172	2,314
No wage earners	32	196	74				251 to 500	4	5	2	1,453	1,468	656
1 to 5	338	654	443	902	1,324	1,007	501 to 1,000	4	6	4	2,708	3,992	2,408
6 to 20	134	166	139	1,472	1,803	1,471	1,001 to 2,500		1	1		1,238	1,104
21 to 50	71	68	58	2,345	2,201	1,940							

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	651	1,160	749	15,601	18,868	11,785	$214,628,855	$156,933,071	$61,989,277	$56,726,834	$46,778,722	$20,723,616
Less than $5,000	(2)	367	282	(2)	231	399	(2)	905,130	704,998	(2)	605,847	479,371
$5,000 to $19,999	239	365	220	500	872	870	2,720,696	3,891,712	2,270,058	1,525,780	2,194,886	1,219,958
$20,000 to $99,999	224	263	176	1,759	2,410	2,244	10,607,713	11,893,055	7,716,935	5,338,997	5,395,369	3,251,752
$20,000 to $49,999	144	(3)	(3)	849	(3)	(3)	4,724,298	(3)	(3)	2,554,076	(3)	(3)
$50,000 to $99,999	80	(3)	(3)	910	(3)	(3)	5,883,415	(3)	(3)	2,784,921	(3)	(3)
$100,000 to $499,999	132	117		4,852	4,751		28,659,649	24,787,801		12,904,900	10,768,136	
$100,000 to $249,999	90	(3)		2,358	(3)		14,096,330	(3)		6,027,181	(3)	
$250,000 to $499,999	42	(3)	64	2,494	(3)	5,081	14,563,319	(3)	18,197,110	6,877,719	(3)	8,197,586
$500,000 to $999,999	30	20		2,340	1,827		21,205,272	13,979,920		9,439,833	5,401,822	
$1,000,000 and over	26	28	7	6,150	8,777	3,191	151,435,525	101,475,453	33,100,176	27,517,324	22,412,662	7,574,949
$1,000,000 to $2,499,999	14	(3)	(3)	2,510	(3)	(3)	20,232,063	(3)	(3)	8,688,152	(3)	(3)
$2,500,000 to $4,999,999	7	(3)	(3)	965	(3)	(3)	22,664,328	(3)	(3)	5,807,220	(3)	(3)
$5,000,000 and over	6	(3)	(3)	2,675	(3)	(3)	108,539,134	(3)	(3)	13,121,952	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	651	1,160	15,601	18,868	$214,628,855	$156,933,071	$56,726,834	$46,778,722
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	379	453	14,433	17,096	204,828,480	146,593,052	52,899,732	42,021,437
Other forms of ownership or control (individual, partnership, etc.)	272	707	1,168	1,772	9,800,375	10,340,019	3,827,102	4,757,285
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	145	(1)	9,089	(1)	163,282,485	(1)	34,097,940	(1)
Independent (single-unit)	506	(1)	6,512	(1)	51,346,370	(1)	22,628,894	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR SALT LAKE COUNTY, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	123,737	55,311	205	34,409	31	17,730	31	718	36	2,454	6,700	68,426	1,053	22,781
1927	112,233	50,316	169	28,608	12	18,396	12	343	49	2,969	5,324	61,917	847	18,710
1925	124,735	67,022	243	39,154	11	25,558	20	433	40	1,877	5,498	57,713	852	16,281
1919 [1]	92,797	51,522	344	37,556	24	9,440	50	968	69	3,558	3,738	41,275	778	17,446
1914 [1]	59,536	37,984	[2] 366	[2] 34,020	[3]	[3]	50	470	98	3,494	1,821	21,552	517	12,466
Salt Lake County [4]	59,517	26,410	55	15,622	11	9,748	11	158	6	882	3,637	33,107	548	12,792

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] This is the only county in Utah in which the aggregate horsepower exceeded 25,000.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	123,737	55,311	68,426	22,781	Morgan	3,930	50	3,880	----
					Salt Lake	59,517	26,410	33,107	12,792
Beaver	215	12	203	----					
Box Elder	5,010	2,636	2,374	----	Sanpete	1,319	841	478	735
Cache	4,837	3,607	1,230	1,902	Sevier	549	290	259	----
Carbon	214	52	162	----	Summit	79	40	39	----
Davis	3,834	1,785	2,049	20	Uintah	119	50	69	----
Duchesne	220	80	140	----	Utah	15,495	11,018	4,477	2,849
Juab	384	290	94	96	Wasatch	603	61	542	----
Millard	211	112	99	----	Weber	15,300	3,173	12,127	964
					All other counties	11,901	4,804	7,097	3,423

[1] Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	1,013,737	$3,031,901	946,274	980,800	1,032,190	1,152,520	899,318
Anthracite (tons, 2,240 lbs.)	8,453	29,673	[3]	1,350	1,224	1,585	492
Bituminous (tons, 2,000 lbs.)	1,004,270	3,002,228	[3]	979,288	1,030,819	1,150,745	898,767
Coke (tons, 2,000 lbs.)	303,089	2,527,457	[4]	[4]	169,969	204,867	167,097
Fuel oils, including crude oils and gas oils (gallons) [5]	21,865,142	517,394	[4]	[4]	10,832,556	16,436,994	282,282
Gasoline and kerosene (gallons) [5]	29,901	6,017	[4]	[4]	64,974		
Gas, natural (M cu. ft.)	51,876	14,798	[4]	[4]	24,675	20,376	9,543
Gas, manufactured (M cu. ft.)	2,362,483	176,467	[4]	[4]			
Other fuels	----	54,137	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	102,696,546	1,327,538	[6]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy	----	[7] 7,655,709	*Cost* $6,979,651	*Cost* [6]	*Cost* $7,047,950	*Cost* $4,744,806	*Cost* $3,379,869

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products[1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
All industries, total	651	[3] 2,909	15,601	55,311	68,426	[3] $6,407,917	$19,698,684	$150,715,551	$7,186,470	$214,628,855	$56,726,834
Awnings, tents, sails, and canvas covers	5	5	15	-------	11	7,480	16,442	78,472	491	129,224	50,261
Beverages	18	19	66	202	231	43,587	96,137	204,387	17,739	549,756	327,630
Bookbinding and blank-book making	3	2	10	-------	24	(4)	13,893	16,073	550	53,843	37,220
Bread and other bakery products	50	46	665	6	857	130,497	696,091	2,393,282	114,863	5,013,072	2,504,927
Butter	27	71	195	421	1,169	135,209	250,773	4,557,137	58,798	5,567,581	951,646
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	38	132	1,859	560	3,688	261,686	1,152,761	5,194,922	127,881	9,160,379	3,837,576
Car and general construction and repairs, steam-railroad repair shops	11	160	1,980	1,090	6,413	396,144	3,390,451	2,227,180	194,180	6,207,955	3,786,595
Cheese	15	6	30	56	114	6,115	35,281	432,664	8,235	530,837	89,938
Clay products (other than pottery) and nonclay refractories	9	47	371	355	2,149	99,403	347,686	130,217	147,963	1,210,646	932,466
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	3	22	292	-------	63	53,275	188,256	509,866	4,668	903,796	389,262
Coffee and spice, roasting and grinding	4	14	11	-------	69	23,682	13,103	263,329	2,560	343,749	77,860
Compressed and liquefied gases	5	29	29	720	461	59,751	42,310	103,034	32,322	353,497	218,141
Concrete products	5	1	10	79	12	(4)	11,718	23,307	1,369	60,386	35,710
Condensed and evaporated milk	4	21	188	44	389	45,423	183,059	2,719,007	33,556	3,690,448	937,885
Confectionery	17	91	629	237	829	291,967	564,130	1,405,337	47,598	3,190,682	1,737,747
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	11	24	83	-------	546	45,977	118,105	358,912	6,124	691,320	326,284
Flour and other grain-mill products	55	135	431	1,097	5,315	213,606	563,528	8,127,111	131,901	9,901,834	1,642,822
Food preparations, not elsewhere classified	5	1	17	2	7	(4)	20,310	46,543	3,242	86,311	36,526
Foundry and machine-shop products, not elsewhere classified	17	73	389	-------	1,550	165,302	538,018	960,762	78,804	2,294,239	1,254,673
Ice cream	18	33	125	10	756	49,153	144,747	673,916	35,306	1,334,864	625,642
Ice, manufactured	10	17	111	1,295	2,245	39,471	170,950	16,402	75,534	596,408	504,472
Jewelry	3	3	15	-------	8	3,300	20,525	18,436	398	62,680	43,846
Knit goods	10	74	400	-------	341	129,781	300,697	604,965	16,224	1,185,880	564,691
Lime	7	11	81	230	268	19,420	82,588	30,721	22,697	215,343	161,925
Lumber and timber products, not elsewhere classified	8	3	69	260	-------	7,751	63,185	12,415	-------	130,105	117,690
Marble, granite, slate, and other stone products	6	6	25	27	280	10,200	34,519	49,566	4,435	138,576	84,575
Mattresses and bed springs, not elsewhere classified	8	12	69	90	194	28,541	65,084	161,990	5,094	304,494	137,410
Meat packing, wholesale	9	77	272	775	2,014	173,661	389,081	7,475,005	56,526	8,935,640	1,404,109
Millinery	5	18	102	-------	29	29,678	71,353	136,604	1,666	346,220	207,950
Photo-engraving, not done in printing establishments	4	2	20	-------	17	(4)	40,246	33,720	2,072	134,496	98,704
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	25	25	175	116	1,585	62,779	280,360	413,097	18,340	951,973	520,536
Printing and publishing, book and job	50	146	315	-------	413	271,400	438,725	436,266	26,184	1,713,044	1,250,594
Printing and publishing, newspaper and periodical	50	517	520	-------	769	927,941	755,637	960,377	49,164	4,256,394	3,246,853
Saddlery and harness	5	3	25	-------	11	4,260	39,136	42,426	1,725	99,349	55,198
Smelting and refining, lead	3	271	1,468	6,297	15,576	645,255	2,439,840	31,369,360	1,595,815	38,820,392	5,855,217
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	7	25	97	-------	510	97,921	141,383	250,759	13,684	630,874	366,431
Sugar, beet	10	120	691	12,167	1,804	235,197	920,383	5,360,047	249,688	9,114,204	3,504,469
Wall plaster, wall board, insulating board, and floor composition	3	11	47	495	94	25,922	65,067	32,659	11,116	189,573	145,798
Other industries	108	636	3,704	28,680	17,615	1,667,182	4,993,126	72,885,278	3,987,958	95,528,791	18,655,555

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 282 employees of central administrative offices, with salaries aggregating $708,416. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

VERMONT

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919; but no automobile repair shops were reported in Vermont for 1914, the only other year for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [3]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	927	27,421	163,940	80,508	83,432	$33,809,987	$66,262,873	$62,871,755	$3,391,118	$143,622,547	$77,259,674
1927	880	26,241	172,762	94,174	78,588	32,305,433	64,957,432	61,491,640	3,465,792	134,029,978	64,072,546
1925	951	27,563	178,806	109,033	69,773	32,326,006	74,387,398	(4)	(4)	138,269,861	63,882,463
1923	1,021	30,783	177,212	113,697	63,515	34,695,484	80,775,801	(4)	(4)	149,951,623	69,175,822
1921	1,101	25,767	(5)	(5)	(5)	28,068,025	63,688,543	(4)	(4)	113,904,333	50,215,790
1919	1,790	33,491	184,327	123,237	61,090	34,083,935	95,172,581	91,624,436	3,548,145	168,108,072	72,935,491
1914	1,772	32,704	171,738	144,261	27,477	18,617,075	42,705,720	40,886,894	1,818,826	76,960,974	34,285,254
1909	1,958	33,788	168,806	145,889	12,917	17,271,702	34,957,428	33,354,541	1,468,187	68,309,824	33,487,096
1904	1,699	33,106	139,295	134,745	4,550	15,221,059	32,429,852	31,224,807	1,205,045	63,083,611	30,653,759
1899	1,938	28,179	124,440	122,996	1,444	11,426,548	26,384,812	(6)	(6)	51,515,228	25,130,416
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	5.3	4.5	−5.1	−14.5	6.2	4.7	−5.3	−5.4	−2.2	7.1	20.6
1925–1927	−7.5	−4.8	−3.4	−13.6	12.6	−0.1	−6.0			−3.1	0.3
1923–1925	−6.9	−10.5	0.9	−4.1	9.9	−6.8	−7.9			−7.8	−7.7
1921–1923	−7.3	19.5				23.6	26.8			31.6	37.8
1919–1921	−38.5	−23.1				−17.7	−33.1			−32.2	−31.2
1919–1929	−48.2	−18.1	−11.1	−34.7	36.6	−0.8	−30.4	−31.4	−4.4	−14.6	5.9
1909–1919	−8.6	−0.9	16.1	−15.5	372.9	97.3	173.3	174.7	141.7	146.1	117.8
1899–1909	1.0	19.9	27.6	18.6	794.5	51.2	32.0			32.6	33.3

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	359,611	927	27,421	163,940	$33,809,987	$66,262,873	$62,871,755	$3,391,118	$143,622,547	$77,259,674
Counties [3]										
Addison	17,952	34	538	3,318	501,731	1,607,452	1,556,239	51,213	2,791,565	1,184,113
Bennington	21,655	47	3,167	8,801	3,194,032	6,027,679	5,810,887	216,792	13,247,541	7,219,862
Caledonia	27,253	81	1,721	11,338	2,216,560	4,189,622	3,965,044	224,578	10,129,060	5,939,438
Chittenden	47,471	87	3,465	16,434	3,552,356	10,720,736	10,275,872	444,864	19,814,848	9,094,112
Franklin	29,975	52	1,369	14,458	1,500,448	12,459,580	12,210,279	249,301	17,077,562	4,617,982
Lamoille	10,947	35	460	3,384	407,294	935,080	910,047	25,033	1,963,818	1,028,738
Orange	16,694	46	397	3,083	374,086	1,030,308	987,193	43,115	2,070,339	1,040,031
Orleans	23,036	58	1,147	6,329	1,135,216	2,200,763	2,112,915	87,848	4,700,381	2,499,618
Rutland	48,453	123	4,504	29,318	5,669,858	5,105,860	4,637,036	468,824	16,011,525	10,905,665
Washington	41,733	184	3,326	24,535	5,420,000	6,247,348	5,688,251	559,097	17,454,614	11,207,266
Windham	26,015	75	2,110	13,962	2,305,299	5,415,269	6,074,754	340,515	10,347,436	4,932,167
Windsor	37,416	86	4,627	19,616	6,822,920	7,581,632	7,128,015	453,617	23,629,350	16,047,718
All other counties (Essex and Grand Isle) [3]	11,011	19	590	9,364	710,187	2,741,544	2,515,223	226,321	4,284,508	1,542,964
Cities having 10,000 inhabitants or more										
Barre	11,307	97	1,827	14,555	3,449,650	3,033,193	2,678,577	354,616	10,423,266	7,390,073
Burlington	24,789	50	1,898	8,102	1,892,359	6,189,004	5,935,208	253,796	12,077,671	5,888,667
Rutland	17,315	41	1,561	4,822	1,994,608	2,466,629	2,260,286	206,343	6,550,057	4,083,428

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Essex County, however, reported a larger number of wage earners and a larger value of products than some of the counties shown separately.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	31,189	26,371	4,818	649	631	18	[2] 496	[2] 462	[2] 34	[2] 2,623	[2] 1,851	[2] 772	27,421	[3] 23,427	[3] 3,994
1919 [1,4]	38,845	32,918	5,927	1,804	1,730	74	574	547	27	2,976	2,028	948	33,491	28,613	4,878
1914 [4]	37,217	32,591	4,626	1,787	1,743	44	333	326	7	2,393	1,798	595	32,704	28,724	3,980
1909	38,580	33,305	5,275	2,113	2,053	60	302	293	9	2,377	1,869	508	33,788	29,090	4,698

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 40; male, 38; female, 2. Other salaried officers and employees—total, 216; male, 145; female 71. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919; but no automobile repair shops were reported in Vermont for 1914, the only other year for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929	27,421	27,337	28,001	27,937	27,533	27,656	27,886	27,131	27,279	27,716	27,502	26,962	*26,115*	93.3
1919 [1]	33,491	31,239	*31,135*	31,419	31,757	32,638	33,184	33,385	34,272	34,649	35,621	36,003	**36,590**	85.1
1914 [1]	32,704	33,288	33,273	34,155	**34,194**	34,125	33,254	31,792	*31,513*	32,208	31,615	31,571	31,760	91.3
1909	33,788	33,013	33,710	34,257	34,288	34,317	34,134	32,875	33,359	34,098	34,392	**34,677**	*32,342*	93.3

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919; but no automobile repair shops were reported in Vermont for 1914, the only other year for which this industry was canvassed in connection with the census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	927	27,421	45 and over but under 48	34	1,407
			48	92	4,572
Not reported	126	535	Over 48 but under 54	156	10,044
Under 40	12	32	54	230	3,714
40	72	1,082	Over 54 but under 60	51	3,217
Over 40 but under 44	4	309	60 and over	59	662
44 and over but under 45	91	1,847			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	927	1,790	1,958	27,421	33,491	33,788	51 to 100	51	65	57	3,818	4,560	3,955
							101 to 250	48	57	39	6,786	8,498	5,955
No wage earners	11	186	131				251 to 500	7	9	16	2,610	3,253	5,897
1 to 5	398	945	1,100	1,308	1,989	2,346	501 to 1,000	6	9	1	[1] 5,426	[1] 6,246	794
6 to 20	266	363	414	3,157	4,097	4,677	1,001 to 2,500	1					
21 to 50	139	156	198	4,316	4,848	6,388	2,501 and over			2			3,776

[1] Combined to avoid disclosing number of wage earners reported by individual establishments.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	927	1,790	1,958	27,421	33,491	33,788	$143,522,547	$168,108,072	$68,309,824	$77,259,674	$72,935,491	$33,487,096
Less than $5,000	[2]	410	690	[2]	313	1,100	[2]	993,625	1,693,585	[2]	631,734	1,089,581
$5,000 to $19,999	311	558	644	1,137	1,926	3,844	3,524,522	6,132,192	6,976,450	2,241,289	3,480,519	3,729,572
$20,000 to $99,999	361	541	493	4,197	6,271	9,491	17,044,116	24,818,115	20,340,258	10,266,294	11,609,388	9,653,436
$20,000 to $49,999	226	[3]	[3]	1,808	[3]	[3]	7,543,678	[3]	[3]	4,307,541	[3]	[3]
$50,000 to $99,999	135	[3]	[3]	2,389			9,500,438	[3]	[3]	5,958,753	[3]	[3]
$100,000 to $499,999	197	207	127	9,066	8,929	14,466	41,985,817	43,889,269	32,104,250	23,871,704	18,250,989	14,813,124
$100,000 to $249,999	138	[3]		4,759	[3]		21,421,941	[3]		12,503,099	[3]	
$250,000 to $499,999	59	[3]		4,307	[3]		20,563,876	[3]		11,368,605	[3]	
$500,000 to $999,999	35	47		4,164	5,740		23,116,332	30,860,467		12,322,110	14,092,077	
$1,000,000 and over	23	27	4	8,857	10,312	4,887	57,851,760	61,414,404	7,195,281	28,558,277	24,870,784	4,201,383
$1,000,000 to $2,499,999	14	[3]	[3]	3,455	[3]	[3]	22,229,828	[3]	[3]	9,685,427	[3]	[3]
$2,500,000 to $4,999,999	8	[3]	[3]	[4] 5,402	[3]	[3]	35,621,932	[3]	[3]	18,872,850	[3]	[3]
$5,000,000 and over	1	[3]	[3]		[3]	[3]		[3]	[3]		[3]	[3]

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data. No corresponding figures were tabulated for 1925 and 1919.
[3] Not tabulated separately.
[4] Combined to avoid disclosing data for individual establishments.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	927	1,790	27,421	33,491	$143,522,547	$168,108,072	$77,259,674	$72,935,491
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	425	469	22,428	26,243	121,598,012	130,015,057	65,037,117	56,883,625
Other forms of ownership or control (individual, partnership, etc.)	502	1,321	4,993	7,248	21,924,535	38,093,015	12,222,557	16,051,866
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	158	(1)	10,879	(1)	57,828,678	(1)	29,682,112	(1)
Independent (single-unit)	769	(1)	16,542	(1)	85,693,869	(1)	47,577,562	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR RUTLAND COUNTY, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	163,940	80,508	286	30,124	18	9,028	39	2,447	241	38,909	8,662	83,432	4,146	40,950
1927	172,762	94,174	294	32,181	19	8,327	44	1,961	252	51,705	7,209	78,588	3,265	38,353
1925	178,806	106,033	381	37,925	19	10,288	42	1,667	321	59,153	6,010	69,773	2,605	32,730
1919 [1]	184,327	123,237	608	46,833	22	4,548	174	2,959	652	68,897	4,478	61,090	759	12,288
1914 [1]	171,738	144,261	[2] 864	[2] 61,560	(3)	(3)	160	2,301	846	80,400	2,090	27,477	940	19,684
Rutland County [4]	29,218	15,082	19	3,675			2	100	15	11,307	1,372	14,276	819	13,140

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919; but no automobile repair shops were reported in Vermont for 1914, the only other year for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] This is the only county in Vermont in which the aggregate horsepower exceeded 25,000.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 3 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	163,940	80,508	83,432	40,990	Orange	3,083	2,209	874	219
					Orleans	6,329	3,942	2,387	692
Addison	3,318	1,655	1,663		Rutland	29,318	15,082	14,236	13,930
Bennington	8,801	6,398	2,403	2,898	Washington	24,535	4,912	19,623	3,871
Caledonia	11,338	4,187	7,151	163	Windham	13,962	4,396	9,566	100
Chittenden	16,434	8,707	7,727	4,375	Windsor	19,616	7,826	11,790	4,370
Franklin	14,458	9,709	4,749	7,872	All other counties (Essex and Grand Isle)	9,364	9,231	133	2,500
Lamoille	3,384	2,254	1,130						

[1] Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	270,914	$1,438,534	207,552	301,555	288,739	259,573	266,929
Anthracite (tons, 2,240 lbs.)	23,885	145,752	(3)	29,478	46,627	50,146	23,831
Bituminous (tons, 2,000 lbs.)	244,163	1,292,782	(3)	268,540	236,517	203,409	240,238
Coke (tons, 2,000 lbs.)	12,548	132,792	(4)	(4)	13,549	6,824	5,343
Fuel oils, including crude oils and gas oils (gallons) [5]	3,266,842	198,564	(4)	(4)	1,008,252	943,068	779,436
Gasoline and kerosene (gallons) [5]	80,898	14,036	(4)	(4)	209,622		
Gas, natural (M cu. ft.)							
Gas, manufactured (M cu. ft.)	32,150	30,491	(4)	(4)	106,306	7,528	44,395
Other fuels		89,837	(4)	(4)	(4)	(4)	(4)
Electric energy purchased (kilowatt-hours)	66,228,459	1,487,734	(6)	(4)	(4)	(4)	(4)
Total cost of fuel and purchased energy		[7] 3,391,988	*Cost* $3,465,792	*Cost* (8)	*Cost* $3,548,145	*Cost* $1,818,826	*Cost* $1,468,187

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12, is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	927	[3] 3,119	27,421	80,508	83,432	[3] $8,136,403	$33,809,987	$62,871,755	$3,391,118	$143,522,547	$77,259,674
Beverages	10	10	23	----	57	15,195	27,043	55,594	3,360	173,132	114,178
Bread and other bakery products	42	54	342	----	643	114,295	430,158	1,284,917	81,390	2,541,593	1,175,286
Butter	40	44	85	424	660	38,158	95,783	2,305,471	34,097	2,718,265	378,697
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	11	21	96	378	280	34,485	64,536	390,661	6,628	647,476	250,187
Car and general construction and repairs, steam-railroad repair shops	6	76	820	83	2,614	139,842	1,199,980	723,792	88,791	2,152,405	1,339,822
Cheese	7	1	5	----	4	(4)	6,661	131,732	1,726	153,553	20,095
Clothing, women's, not elsewhere classified	5	18	309	----	68	31,862	208,819	187,283	6,402	585,902	392,217
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	4	16	184	----	60	51,415	106,665	291,778	2,058	558,893	265,057
Condensed and evaporated milk	14	16	111	458	725	25,850	126,821	2,234,329	61,589	2,956,501	660,583
Confectionery	5	14	54	100	10	37,251	35,374	91,069	5,162	254,221	157,990
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	5	15	47	----	42	24,614	64,886	213,351	3,904	460,435	243,180
Feeds, prepared, for animals and fowls	13	58	224	1,020	2,847	162,706	266,191	11,639,479	34,741	12,581,724	907,504
Flour and other grain-mill products	13	11	41	235	489	29,162	46,094	426,366	9,802	574,523	138,355
Foundry and machine-shop products, not elsewhere classified	29	132	877	1,325	1,519	329,988	1,311,176	1,199,039	92,162	3,659,066	2,367,865
Furniture, including store and office fixtures	12	120	1,147	2,160	2,083	331,966	1,141,844	1,408,146	61,745	3,622,891	2,153,000
Gas, manufactured, illuminating and heating	9	24	97	117	449	47,835	131,968	102,927	201,603	996,638	692,708
Ice cream	12	19	50	----	550	42,804	74,558	484,279	21,230	1,000,110	494,601
Knit goods	7	36	1,084	550	605	129,076	1,012,462	2,083,410	54,478	4,606,082	2,468,194
Lime	7	11	137	15	1,678	21,226	154,871	79,144	139,561	498,592	279,887
Lumber and timber products, not elsewhere classified	174	123	2,371	14,667	4,458	285,091	2,204,065	2,662,877	81,598	7,291,438	4,546,963
Machine-tool accessories and small metal-working tools, not elsewhere classified	3	30	141	200	444	50,096	149,036	84,820	13,872	602,080	503,388
Machine tools	5	413	2,610	1,015	8,015	1,450,742	4,192,872	2,737,867	197,639	13,971,445	11,035,939
Marble, granite, slate, and other stone products	209	526	5,287	14,883	31,374	1,350,235	8,589,718	5,646,046	685,191	23,131,193	16,799,956
Paper	11	132	869	20,270	2,290	369,350	995,019	3,970,150	472,811	7,825,657	3,382,696
Pulp (wood and other fiber)	3	4	84			11,230	119,325	449,308	35,321	728,067	243,438
Patent or proprietary medicines and compounds	10	55	123	----	182	160,298	117,175	496,207	10,861	1,470,999	1,053,931
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	30	51	345	1,546	1,747	109,893	379,904	1,322,267	30,455	2,256,771	904,049
Printing and publishing, book and job	29	57	280	----	314	120,139	351,959	247,772	17,671	997,463	732,020
Printing and publishing, newspaper and periodical	34	200	293	----	586	364,205	461,036	248,652	32,345	1,852,658	1,571,661
Tools, not including edge tools, machine tools, files, or saws	5	51	312	665	1,358	114,962	308,839	582,060	43,571	1,442,497	816,866
Toys (not including children's wheel goods, or sleds), games, and playground equipment	4	10	179	665	537	22,360	179,676	151,162	10,347	430,195	268,686
Wood turned and shaped and other wooden goods, not elsewhere classified	49	98	906	2,969	2,351	229,327	752,649	807,561	49,468	2,647,607	1,790,578
Woolen goods	16	103	1,499	5,093	1,056	373,443	1,713,045	3,371,771	181,329	7,191,773	3,638,673
Other industries	94	570	6,389	11,670	13,337	1,577,302	6,789,779	14,850,468	618,810	30,940,702	15,471,424

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 256 employees of central administrative offices, with salaries aggregating $715,020. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

VIRGINIA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	3,287	120,273	646,251	390,508	255,743	$118,088,986	$365,824,341	$350,109,073	$15,715,268	$745,910,075	$380,085,734
1927	2,432	114,918	503,756	263,036	240,690	110,377,945	346,165,769	330,179,145	15,986,624	671,346,808	325,181,039
1925	2,553	112,135	441,807	256,856	184,911	105,886,599	314,711,268	(4)	(4)	589,510,865	274,799,597
1923	2,743	111,578	431,237	288,340	142,897	104,650,069	304,492,917	(4)	(4)	548,153,489	243,660,572
1921	2,570	88,555	(5)	(5)	(5)	85,062,579	268,940,466	(4)	(4)	454,261,467	185,321,001
1919	5,603	119,352	419,738	304,940	114,818	120,006,452	371,540,833	352,059,572	19,481,261	643,511,621	271,970,788
1914	5,508	102,850	337,567	300,425	37,142	84,873,435	155,319,576	147,872,130	7,447,446	264,039,041	108,719,465
1909	5,685	105,676	283,516	270,160	13,356	58,154,566	125,882,687	118,398,442	7,184,245	219,793,858	94,211,171
1904	3,187	80,285	176,616	172,213	4,403	27,843,658	85,649,149	80,107,296	3,541,853	148,856,525	65,207,376
1899	3,186	66,223	135,727	134,905	822	20,273,889	59,359,484	(6)	(6)	108,644,150	49,284,666
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	35.2	4.7	28.3	48.5	6.3	7.0	5.7	6.0	−1.7	11.1	16.9
1925–1927	−4.7	2.5	14.0	2.4	30.2	4.2	10.0			13.9	18.3
1923–1925	−6.9	0.5	2.5	−10.9	29.4	1.2	3.4			7.5	12.8
1921–1923	6.7	26.0				23.1	13.2			20.7	31.5
1919–1921	−54.1	−25.8				−29.1	−27.6			−29.4	−31.9
1919–1929	−41.3	0.8	54.0	28.1	122.7	−1.6	−1.5	−0.6	−19.3	15.9	39.8
1909–1919	−1.4	12.9	48.0	12.9	759.7	214.5	195.9	197.4	171.2	192.8	188.7
1899–1909	78.4	59.6	108.9	100.3	1,524.8	88.2	111.6			102.3	91.2

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	2,421,851	3,287	120,273	646,251	$118,088,986	$365,824,341	$350,109,073	$15,715,268	$745,910,075	$380,085,734
Counties and cities [3]										
Accomac	35,854	90	606	1,507	363,172	1,414,936	1,389,974	24,962	2,474,604	1,059,668
Albemarle County and Charlottesville city	42,226	61	1,143	4,275	1,099,385	2,844,981	2,704,993	139,988	5,535,095	2,690,114
Alleghany County and Clifton Forge city	27,027	32	3,002	54,120	3,777,188	15,307,544	14,465,545	841,999	25,076,970	9,769,426
Amelia	8,979	28	189	893	122,904	289,854	288,954	900	520,454	230,600
Amherst	19,020	12	93	483	65,594	508,712	503,623	5,089	651,476	142,764
Appomattox	8,402	17	65	461	40,057	95,998	94,593	1,405	198,129	102,131
Arlington County and Alexandria city	50,764	51	2,490	8,755	3,393,796	3,541,640	3,125,725	415,915	8,868,761	5,327,121
Augusta County and Staunton city	50,153	88	2,219	19,874	2,012,074	5,080,147	4,586,604	493,543	9,559,250	4,479,103
Bedford	29,091	76	873	8,520	629,556	2,495,919	2,383,544	112,375	4,187,532	1,691,613
Botetourt	15,457	29	274	1,698	224,640	499,587	389,105	110,482	1,031,439	531,852
Brunswick	20,486	40	499	1,795	395,590	672,431	656,843	15,588	1,349,189	676,758
Buckingham	13,315	29	533	1,249	370,223	124,782	108,782	16,000	746,257	621,475
Campbell County and Lynchburg city	63,546	99	7,598	25,666	6,263,594	17,894,458	16,957,343	937,115	35,739,110	17,844,652
Caroline	15,263	31	217	1,417	154,896	379,245	376,543	2,702	774,258	395,013
Carroll	22,141	45	932	2,330	540,223	2,155,484	2,120,827	34,657	3,954,952	1,799,468
Charles City	4,881	8	197	680	116,860	107,312	98,711	8,601	328,189	220,877
Charlotte	16,061	33	169	1,220	104,241	197,338	189,132	8,206	413,824	216,486
Chesterfield	26,049	29	2,085	18,127	1,463,925	3,680,887	3,517,306	163,581	5,889,755	2,208,868
Clarke	7,167	9	102	667	82,190	417,436	408,343	9,093	722,700	305,264
Craig	3,562	11	45	244	31,114	24,250	24,250	----------	93,090	68,840
Culpeper	13,306	18	164	953	200,062	659,899	644,297	15,602	1,214,202	554,303
Cumberland	7,535	9	41	230	22,143	45,102	44,852	250	93,282	48,180
Dinwiddie County and Petersburg city	47,056	98	4,201	7,314	2,924,221	10,663,452	10,477,418	186,034	18,335,706	7,672,254
Elizabeth City County and Hampton city	26,217	14	180	1,312	187,768	328,400	293,552	34,848	810,204	481,804
Essex	6,976	20	126	456	61,346	196,162	194,557	1,605	350,930	154,768
Fairfax	25,264	14	35	515	36,825	269,872	266,911	2,961	375,811	105,939
Fauquier	21,071	11	30	213	29,837	175,386	167,976	7,410	270,130	94,744
Floyd	11,698	30	79	534	45,021	94,784	94,784	----------	200,058	105,274
Fluvanna	7,466	15	78	283	43,984	39,596	39,596	----------	122,299	85,703
Frederick County and Winchester city	24,022	52	1,329	6,732	1,297,353	4,029,445	3,795,185	234,260	7,301,663	3,272,218
Giles	12,804	14	196	963	176,324	1,565,021	1,526,843	38,178	1,920,544	355,523
Gloucester	11,019	15	68	284	52,984	87,829	83,847	3,982	228,390	140,561
Goochland	7,953	9	51	242	29,236	44,750	44,750	----------	97,010	52,260
Grayson	20,017	28	815	4,297	464,392	1,790,515	1,775,164	15,351	2,636,078	845,563
Greene	5,980	6	24	119	13,080	26,337	26,237	100	57,820	31,483
Greensville	13,388	22	625	1,830	427,848	1,250,122	1,240,395	9,727	1,911,749	661,618
Halifax	41,283	35	533	2,136	423,012	915,461	842,522	72,939	2,126,052	1,210,591
Hanover	17,009	33	204	965	129,677	421,823	417,197	4,626	686,367	264,544
Henrico County [4] and Richmond city [4, 5]	213,239	321	18,336	62,672	19,879,810	95,394,868	93,390,118	2,004,750	243,029,870	147,635,002
Henry County and Martinsville city	27,793	35	3,698	12,797	2,947,402	8,272,511	8,059,320	213,191	15,898,622	7,626,111
Highland	4,525	7	25	125	14,820	28,650	28,650	----------	55,700	27,050
Isle of Wight	13,409	16	509	3,112	401,326	1,092,255	1,082,107	10,148	2,332,388	1,240,133
James City County and Williamsburg city	7,657	17	185	644	159,209	124,750	96,070	28,680	402,432	277,682
King and Queen	7,618	13	165	386	105,044	109,241	108,441	800	295,979	186,738
King George	5,297	6	25	70	13,904	25,093	24,943	150	51,152	26,059
King William	7,929	14	418	4,980	308,283	1,220,755	1,096,877	123,878	2,376,691	1,155,936
Lancaster	8,896	21	199	1,523	111,776	347,778	315,893	31,885	582,453	234,675
Loudoun	19,852	18	77	872	65,845	467,646	454,899	12,747	658,910	191,264
Louisa	14,309	46	193	897	126,920	157,414	156,615	799	369,948	212,534
Lunenburg	14,058	13	198	862	259,548	187,904	172,946	14,958	548,823	360,919
Madison	8,952	23	90	623	54,117	179,985	178,667	1,318	331,078	151,093
Mathews	7,884	9	40	243	25,470	45,684	41,452	4,232	104,527	58,843
Mecklenburg	32,622	33	381	2,310	308,392	712,773	699,103	13,670	1,398,770	685,997
Middlesex	7,273	11	82	214	43,292	125,047	122,740	2,307	218,828	93,781
Montgomery County and Radford city	25,832	35	1,089	6,120	1,051,035	4,418,098	4,216,204	201,894	6,337,979	1,919,881
Nansemond County and Suffolk city	32,801	49	2,636	9,221	1,350,080	14,231,422	14,052,706	178,716	17,781,722	3,550,300
Nelson	16,345	16	373	2,016	499,287	533,684	490,256	43,428	1,445,501	911,817
New Kent	4,300	6	122	250	78,100	55,621	55,621	----------	228,918	173,297
Norfolk County [4] and Norfolk, [4] Portsmouth, and South Norfolk cities	213,353	262	12,187	55,362	12,963,775	58,948,187	57,408,267	1,539,920	99,128,981	40,180,794
Northampton	18,565	43	639	2,326	592,720	1,256,610	1,206,110	50,500	2,649,577	1,392,967
Northumberland	11,081	27	504	5,088	335,773	851,884	751,063	100,821	1,409,684	557,800
Nottoway	14,866	26	392	2,939	486,986	525,587	497,009	28,578	1,258,012	732,425
Orange	12,070	20	204	992	116,257	470,761	457,666	13,095	853,020	382,259
Page	14,852	27	651	3,432	671,559	2,831,407	2,745,731	85,676	4,079,784	1,248,377
Patrick	15,787	10	82	460	56,226	114,133	113,293	840	271,136	157,003
Pittsylvania County and Danville city	83,671	63	5,870	47,559	4,715,553	10,967,623	10,506,048	461,575	21,360,016	10,392,393
Powhatan	6,143	15	98	505	71,097	63,631	62,921	710	183,795	120,164
Prince Edward	14,520	14	100	1,033	97,672	237,765	222,267	15,498	505,484	267,719
Prince George County and Hopewell city	21,638	25	5,518	82,170	5,849,655	12,003,387	10,593,726	1,415,661	23,761,967	11,752,580
Prince William	13,951	15	66	459	52,857	341,406	336,842	4,564	495,438	154,032
Princess Anne	16,282	6	53	157	44,086	33,265	17,334	15,931	151,446	118,181
Pulaski	20,566	30	1,521	9,328	1,215,870	2,972,259	2,726,192	246,067	5,846,137	2,873,878
Rappahannock	7,717	8	24	128	14,620	58,952	58,752	200	96,050	37,098
Richmond	6,878	28	140	560	70,763	290,281	287,347	2,934	468,750	178,469
Roanoke County [4] and Roanoke city	104,495	103	12,237	40,860	15,428,790	21,271,087	20,349,883	921,204	56,421,281	35,150,194

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties and cities [3]—Continued										
Rockbridge County and Buena Vista city	24,904	44	979	6,372	$726,409	$4,670,376	$4,408,542	$261,834	$6,661,901	$1,991,525
Rockingham County and Harrisonburg city	36,941	83	1,187	4,352	885,256	3,061,677	2,953,291	108,386	5,284,409	2,222,732
Russell	25,957	6	38	243	24,848	62,235	61,764	471	117,426	55,191
Scott	24,181	11	38	189	25,076	42,962	42,962		103,574	60,612
Shenandoah	20,655	42	491	2,528	340,967	1,110,406	1,007,822	102,584	1,810,135	699,729
Smyth	25,125	19	1,379	19,420	1,324,008	3,317,140	2,451,444	865,696	7,630,619	4,313,479
Southampton	26,870	19	319	1,000	168,560	1,968,713	1,966,108	2,605	2,376,249	407,536
Spotsylvania County and Fredericksburg city	16,875	34	950	2,257	756,766	1,732,182	1,670,190	61,992	3,518,678	1,786,496
Stafford	8,050	4	11	74	9,100	18,480	18,000	480	45,373	26,893
Surry	7,096	6	36	147	27,280	69,187	68,408	779	124,263	55,076
Sussex	12,100	24	667	2,114	342,559	906,055	894,395	11,660	1,656,931	750,876
Tazewell	32,477	23	175	1,216	165,427	259,709	232,723	26,986	674,182	414,473
Warren	8,340	17	461	3,012	440,094	1,505,272	1,457,251	49,021	3,091,986	1,585,714
Warwick County and Newport News city	43,246	43	6,635	35,070	9,134,541	12,081,857	11,560,731	521,126	26,166,573	14,084,716
Washington County and Bristol city	42,690	61	2,906	11,961	2,489,548	8,264,649	7,878,749	385,900	14,167,720	5,903,071
Westmoreland	8,497	30	264	934	118,263	582,470	574,784	7,686	914,908	332,438
Wise	51,167	35	576	3,059	534,773	1,377,627	1,338,836	38,791	2,402,698	1,025,071
Wythe	20,704	21	398	1,215	319,856	1,480,825	1,435,832	644,993	2,601,630	1,120,805
York	7,615	4	23	237	16,085	12,844	10,162	2,682	61,062	48,218
All other counties [4]	101,827	63	1,503	4,257	1,835,316	1,986,374	1,926,177	60,197	6,252,589	4,266,215
Cities having 10,000 inhabitants or more [7]										
Alexandria	24,149	24	1,475	5,421	2,141,384	1,843,607	1,665,611	177,996	4,813,271	2,969,664
Bluefield, Virginia and West Virginia, total	23,245	25	1,506	6,230	1,942,590	2,323,479	2,210,731	112,748	5,450,155	3,126,676
Bluefield, Va	3,906	6	24	71	21,754	65,797	63,831	1,966	126,174	60,377
Bluefield, W. Va	19,339	19	1,482	6,159	1,920,836	2,257,682	2,146,900	110,782	5,323,981	3,066,299
Bristol, Va. and Tenn., total	20,845	63	2,812	8,313	2,375,218	8,214,168	7,873,531	340,637	13,776,041	5,561,923
Bristol, Va	8,840	46	2,382	7,614	2,059,045	6,683,255	6,391,069	292,186	10,970,177	4,286,922
Bristol, Tenn	12,005	17	430	699	316,173	1,530,913	1,482,462	48,451	2,805,914	1,275,001
Charlottesville	15,245	31	809	2,655	801,390	2,172,981	2,054,829	118,152	3,935,282	1,762,301
Danville	22,247	41	2,532	19,923	2,066,090	5,214,713	4,994,618	220,095	9,692,900	4,478,187
Hopewell	11,327	14	5,292	81,938	5,701,731	11,823,269	10,407,673	1,415,596	23,347,915	11,524,646
Lynchburg	40,661	70	6,694	21,802	5,501,690	16,099,357	15,211,378	887,979	31,594,147	15,494,790
Norfolk [5]	129,710	177	6,633	23,994	7,768,277	31,521,915	30,908,658	613,257	57,886,408	26,364,493
Petersburg	28,564	74	3,970	5,857	2,764,725	10,479,484	10,302,700	176,784	17,872,068	7,392,584
Portsmouth	45,704	47	2,433	9,363	2,511,710	6,786,573	6,440,531	346,042	11,616,573	4,830,000
Richmond [6]	182,929	305	17,491	55,110	18,001,958	90,339,422	88,529,887	1,809,535	234,619,004	144,279,672
Staunton	11,990	24	446	1,260	422,279	1,677,169	1,613,915	63,254	2,969,045	1,291,876
Suffolk	10,271	34	2,371	8,013	1,190,200	13,423,852	13,282,646	141,206	16,477,181	3,053,329
Winchester	10,855	33	1,000	3,528	994,391	3,311,652	3,213,056	98,596	5,966,631	2,654,979

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. All cities in Virginia are independent of the counties, but combined figures are given for the cities and the counties within which they are located.

[4] Because of the amount of manufacturing industry in Henrico, Norfolk, and Roanoke Counties and in the cities of Norfolk and Richmond, it had been planned to publish statistics by industries for these counties and cities. It is found, however, that no figures can be given for the most important industries without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries in the respective counties and cities. Under these conditions the publication of statistics for those industries for which separate figures could be given, for any of the counties or either of the cities in question, would be misleading, and therefore no such statistics are included in this report. The leading industry in the area comprising Henrico County and the city of Richmond and also in the city itself, was "Cigars and cigarettes"; in the area comprising Roanoke County and city, "Rayon and allied products"; and in the city of Norfolk, "Motor vehicles, not including motorcycles." The most important industries in the area comprising Norfolk County and city were "Car and general construction and repairs, steam-railroad repair shops," as measured by number of wage earners, and "Motor vehicles, not including motorcycles," as measured by value of products.

[5] Richmond is not located wholly within Henrico County, but is nearly surrounded by it.

[6] Bath, Bland, Buchanan, Dickenson, Franklin, and Lee Counties. See footnote 3.

[7] Not including Roanoke and Newport News, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from publication to avoid disclosing approximations of the data for individual establishments. In the case of Roanoke, the figures are withheld because their publication would make it possible (by subtracting them from the figures for Roanoke County) to calculate approximations of the data for establishments located outside the city but within the county.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	133,908	103,961	29,947	2,322	2,299	23	[2] 1,590	[2] 1,526	[2] 64	[2] 9,723	[2] 7,671	[2] 2,052	120,273	[3] 92,465	[3] 27,808
1919 [1, 4]	139,178	116,820	22,358	5,900	5,785	115	1,766	1,712	54	12,160	9,979	2,190	119,352	99,353	19,999
1914 [1, 4]	118,109	101,382	16,727	6,125	6,026	99	1,174	1,149	25	7,990	6,853	1,137	102,820	87,354	15,466
1909	120,797	104,662	16,135	6,570	6,469	101	1,139	1,128	11	7,412	6,519	893	105,676	90,546	15,130

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 225; male, 217; female, 8. Other salaried officers and employees—total, 2,850; male, 2,125; female, 725. The corresponding data for 1919 and earlier years are included in the respective items for those years, but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Percent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	120,273	*113,819*	116,209	118,446	120,986	119,516	120,406	121,512	124,946	**127,905**	125,426	120,465	114,147	88.6
1919 [1]	119,352	*111,943*	112,177	112,155	113,802	112,572	113,536	116,759	125,148	131,680	**131,916**	125,549	124,687	84.9
1914 [1]	102,820	100,795	101,063	103,802	106,175	105,902	104,916	102,697	103,418	109,590	106,016	96,944	*93,522*	86.1
1909 [1]	105,676	*94,885*	97,714	101,750	104,393	104,865	105,036	104,231	110,659	115,998	112,276	109,216	107,092	81.8

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	3,287	120,273	45 and over but under 48	116	12,632
			48	376	23,852
Not reported	953	3,550	Over 48 but under 54	396	22,190
Under 40	68	397	54	154	4,214
40	61	2,425	Over 54 but under 60	461	36,640
Over 40 but under 44	13	395	60 and over	515	11,561
44 and over but under 45	174	2,417			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	3,287	5,603	5,685	120,273	119,352	105,676	51 to 100	154	177	192	11,025	12,803	13,686
							101 to 250	129	157	105	20,699	24,296	16,046
No wage earners	58	621	270				251 to 500	60	31	33	19,857	10,650	11,066
1 to 5	1,795	3,197	3,058	6,043	7,014	7,666	501 to 1,000	21	16	19	13,688	11,193	13,600
6 to 20	761	1,038	1,631	8,237	10,648	17,825	1,001 to 2,500	6	11	7	7,772	31,275	13,903
21 to 50	297	355	370	9,600	11,473	11,884	2,501 and over	6			23,352		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	3,287	5,603	5,685	120,273	119,352	105,676	$745,910,075	$643,511,621	$219,793,858	$380,085,734	$271,970,788	$94,211,171
Less than $5,000	(2)	1,826	2,581	(2)	1,976	7,176	(2)	4,434,738	5,936,118	(2)	2,783,670	3,859,930
$5,000 to $19,999	1,593	1,874	1,917	5,937	6,989	15,254	15,992,007	19,268,925	19,134,920	8,979,056	11,027,310	11,171,420
$20,000 to $99,999	976	1,149	805	10,774	12,737	19,134	44,961,217	48,626,945	34,233,401	23,453,640	22,282,512	16,960,675
$20,000 to $49,999	633	(3)	(3)	5,206	(3)	(3)	20,163,662	(3)	(3)	10,895,526	(3)	(3)
$50,000 to $99,999	343	(3)	(3)	5,568	(3)	(3)	24,797,555	(3)	(3)	12,558,114	(3)	(3)
$100,000 to $499,999	486	536	356	22,847	25,943	41,497	108,824,884	122,011,365	101,364,437	52,153,238	50,483,391	38,289,549
$100,000 to $249,999	321	(3)		11,144	(3)		51,015,291	(3)		25,894,071	(3)	
$250,000 to $499,999	165	(3)		11,703	(3)		57,809,593	(3)		26,259,167	(3)	
$500,000 to $999,999	107	118		14,667	15,985		77,399,359	83,697,368		32,129,736	37,248,534	
$1,000,000 and over	125	100	26	66,048	55,722	22,615	498,762,608	365,472,280	59,124,982	263,370,064	148,145,371	23,990,197
$1,000,000 to $2,499,999	95	(3)	(3)	27,284	(3)	(3)	146,412,261	(3)	(3)	67,650,537	(3)	(3)
$2,500,000 to $4,999,999	10	(3)	(3)	4,191	(3)	(3)	32,722,661	(3)	(3)	11,807,029	(3)	(3)
$5,000,000 and over	20	(3)	(3)	34,593	(3)	(3)	319,627,686	(3)	(3)	183,912,498	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the coresponding limit for 1929 was $5,000. See GENERAL EXLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	3,287	5,603	120,273	119,352	$745,910,075	$643,511,621	$380,085,734	$271,970,788
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,301	1,379	107,725	101,457	689,711,023	560,599,658	354,217,898	239,253,525
Other forms of ownership or control (individual, partnership, etc.)	1,986	4,224	12,548	17,895	56,199,052	82,911,963	25,867,836	32,717,263
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	512	(1)	70,164	(1)	480,828,647	(1)	260,851,269	(1)
Independent (single-unit)	2,775	(1)	50,109	(1)	265,081,428	(1)	119,234,465	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

[This table gives statistics for each county which, together with the city or cities so located as to be nearly or entirely surrounded by the county, reported an aggregate of 25,000 horsepower or more]

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	646,251	390,508	2,090	150,356	175	194,180	233	9,188	332	36,784	26,676	255,743	24,051	213,264
1927	503,726	263,036	1,433	118,805	84	100,499	209	9,670	300	34,062	21,727	240,690	19,192	148,176
1925	441,807	256,896	1,685	139,401	90	73,768	215	9,657	334	34,070	16,086	184,911	17,123	129,470
1919[1]	419,738	304,920	4,081	211,816	100	44,950	532	9,067	630	39,087	12,773	114,818	3,722	73,637
1914[1]	337,567	300,425	[2] 4,528	[2] 249,044	(3)	(3)	495	6,659	715	44,722	3,728	37,142	2,853	64,871
Counties and cities [4]														
Alleghany County and Clifton Forge city	54,120	47,276	47	[5] 5,556	32	41,155	1	(5)	3	565	775	6,844	1,556	47,826
Campbell County and Lynchburg city	25,666	17,294	42	7,180	4	9,060	8	313	11	741	1,450	8,372	353	8,849
Henrico County and Richmond city [6]	62,672	13,302	62	9,125	10	1,536	10	411	18	2,230	5,925	49,370	159	2,126
Norfolk County and Norfolk, Portsmouth, and South Norfolk cities	55,362	8,498	76	6,211	5	2,055	8	232	----	----	3,853	46,864	200	2,057
Pittsylvania County and Danville city	47,559	45,692	24	1,780	9	31,027	4	255	74	12,630	237	1,867	12,759	38,913
Prince George County and Hopewell city	82,170	67,639	29	29,628	45	33,975	8	36	4	4,000	537	14,531	906	28,727
Roanoke County and Roanoke city	40,860	26,188	20	895	12	25,143	----	----	4	150	1,324	14,672	2,512	32,023
Warwick County and Newport News city	35,070	4,599	10	2,258	3	2,202	3	139	----	----	1,644	30,471	3	2,100

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] All cities in Virginia are independent of the counties, but combined figures are given for the cities and the counties within which they are located.
[5] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.
[6] Richmond is not located wholly within Henrico County, but is nearly surrounded by it.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county and county-city group for which separate figures are given in Table 2. See footnotes 3 and 6 on that table]

COUNTIES AND CITIES[1]	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy[2]
	Aggregate	Prime movers	Electric motors	
The State	646,251	390,508	255,743	213,264
Accomac	1,507	1,166	341	
Albemarle County and Charlottesville city	4,275	1,855	2,420	34
Alleghany County and Clifton Forge city	54,120	47,276	6,844	47,826
Amelia	893	[3] 893	(4)	
Amherst	483	483		100
Appomattox	461	361	100	
Arlington County and Alexandria city	8,755	1,908	6,847	110
Augusta County and Staunton city	19,874	15,806	4,068	10,329
Bedford	8,520	7,009	1,511	1,233
Botetourt	1,698	526	1,172	
Brunswick	1,795	1,573	222	
Buckingham	1,249	1,249		
Campbell County and Lynchburg city	25,666	17,294	8,372	8,849
Caroline	1,417	1,398	19	(4)
Carroll	2,330	842	1,488	
Charles City	680	680		
Charlotte	1,220	1,189	31	
Chesterfield	18,127	16,164	1,963	10,479
Clarke	667	215	452	
Craig	244	[3] 244	(3)	
Culpeper	953	303	650	
Cumberland	230	230		
Dinwiddie County and Petersburg city	7,314	4,312	3,002	988
Elizabeth City County and Hampton city	1,312	385	927	425
Essex	456	434	22	
Fairfax	515	219	296	
Fauquier	213	81	132	
Floyd	534	[3] 534	(3)	
Fluvanna	283	[3] 283	(3)	
Frederick County and Winchester city	6,732	2,314	4,418	926
Giles	963	459	504	
Gloucester	284	[3] 284	(3)	
Goochland	242	242		
Grayson	4,297	4,248	49	1,217
Greene	119	119		
Greensville	1,830	1,075	755	735
Halifax	2,136	706	1,430	
Hanover	965	940	25	14
Henrico County and Richmond city[5]	62,672	13,302	49,370	2,126
Henry County and Martinsville city	12,797	10,042	2,755	5,248
Highland	125	125		
Isle of Wight	3,112	2,756	356	2,120
James City County and Williamsburg city	644	512	132	
King and Queen	386	386		
King George	70	70		
King William	4,980	4,980		3,612
Lancaster	1,523	1,376	147	140
Loudoun	872	301	571	
Louisa	897	889	8	
Lunenburg	862	795	67	466
Madison	623	546	77	
Mathews	243	211	32	
Mecklenburg	2,310	1,700	610	
Middlesex	214	207	7	
Montgomery County and Radford city	6,120	5,155	965	1,599
Nansemond County and Suffolk city	9,221	2,012	7,209	40
Nelson	2,016	1,991	25	2,150
New Kent	250	250		
Norfolk County and Norfolk, Portsmouth, and South Norfolk cities	55,362	8,498	46,864	2,057
Northampton	2,326	1,760	566	367
Northumberland	5,088	[3] 5,088	(3)	
Nottoway	2,939	2,109	830	
Orange	992	629	363	
Page	3,432	1,546	1,886	
Patrick	460	458	2	
Pittsylvania County and Danville city	47,559	45,692	1,867	38,913
Powhatan	505	505		
Prince Edward	1,033	272	761	
Prince George County and Hopewell city	82,170	67,639	14,531	28,727
Prince William	459	436	23	
Princess Anne	157	70	87	
Pulaski	9,328	5,315	4,013	1,905
Rappahannock	128	121	7	
Richmond	500	[3] 500	(3)	
Roanoke County and Roanoke city	40,860	26,188	14,672	32,023
Rockbridge County and Buena Vista city	6,372	2,974	3,398	
Rockingham County and Harrisonburg city	4,352	2,498	1,854	459
Russell	243	200	43	
Scott	189	185	4	
Shenandoah	2,528	1,445	1,083	
Smyth	19,420	12,628	6,792	3,047
Southampton	1,000	955	45	25
Spotsylvania County and Fredericksburg city	2,257	1,290	967	62
Stafford	74	[3] 74	(3)	
Surry	147	135	12	
Sussex	2,114	2,017	97	27
Tazewell	1,216	640	576	
Warren	3,012	380	2,632	
Warwick County and Newport News city	35,070	4,599	30,471	2,100
Washington County and Bristol city	11,961	4,889	7,072	2,005
Westmoreland	934	856	78	
Wise	3,059	649	2,410	30
Wythe	1,215	306	909	
York	237	40	197	
All other counties	4,257	4,017	240	[4] 751

[1] All cities in Virginia are independent of the counties, but combined figures are given for the cities and the counties within which they are located.
[2] Horsepower of electric motors driven by energy generated in establishments reporting.
[3] Item for electric motors included with that for prime movers to avoid disclosing data for a single establishment.
[4] Item for Caroline County included with that for "All other counties" to avoid disclosing data for a single establishment.
[5] Richmond is not located wholly within Henrico County but is nearly surrounded by it.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	2,675,539	$8,298,710	2,489,605	3,313,073	3,258,680	2,840,071	3,368,625
Anthracite (tons, 2,240 pounds)	30,916	112,958	[3]	53,457	23,475	14,981	26,085
Bituminous (tons, 2,000 pounds)	2,640,913	8,185,752	[3]	3,253,201	3,232,388	2,823,292	3,339,410
Coke (tons, 2,000 pounds)	203,080	1,244,900	[4]	[4]	603,617	558,028	705,874
Fuel oils, including crude oils and gas oils (gallons) [5]	18,479,793	955,713	[4]	[4]	12,294,492	5,404,980	3,042,144
Gasoline and kerosene (gallons) [5]	514,901	81,065	[4]	[4]	405,048		
Gas, natural (M cubic feet)							
Gas, manufactured (M cubic feet)	118,300	110,382	[4]	[4]	44,046	35,712	17,993
Other fuels		65,912	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	407,852,202	5,261,497	[4]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy		[7] 16,018,179	*Cost* $15,986,624	*Cost* [3]	*Cost* $19,481,261	*Cost* $7,447,446	*Cost* $7,184,245

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	3,287	[3] 11,313	120,273	390,508	255,743	*Dollars* [3] 29,263,340	*Dollars* 118,088,986	*Dollars* 350,109,073	*Dollars* 15,715,268	*Dollars* 745,910,075	*Dollars* 380,085,734
Agricultural implements	11	30	162	215	313	68,367	172,163	156,627	11,536	533,680	365,517
Awnings, tents, sails, and canvas covers	11	15	64		40	24,405	70,824	153,347	1,814	358,833	203,672
Bags, other than paper, not made in textile mills	9	38	390		525	95,875	262,737	4,596,303	8,734	5,207,118	602,081
Baskets and rattan and willow ware, not including furniture	8	34	1,290	1,492	1,131	106,204	674,138	1,006,095	20,258	2,468,362	1,442,009
Beverages	110	128	524	35	1,130	422,395	640,872	2,013,501	62,997	5,210,389	3,133,891
Bookbinding and blank-book making	5	5	52		43	9,780	50,097	28,248	1,541	120,209	90,420
Boxes, paper, not elsewhere classified	12	74	569	60	596	167,120	436,611	1,418,702	23,163	2,509,922	1,068,057
Boxes, wooden, except cigar boxes	15	79	1,138	3,657	1,442	203,253	849,094	3,170,817	16,991	4,778,871	1,591,063
Bread and other bakery products	116	242	1,709	32	3,379	484,098	2,057,504	5,870,321	233,468	11,467,974	5,364,185
Brooms	4		29		21		21,520	51,493	1,073	96,632	44,066
Butter	23	55	123	296	1,768	110,809	145,014	1,949,643	51,882	2,543,396	541,871
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	9	21	139	495	5	19,069	72,197	208,206	16,361	357,083	132,516
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	186	92	1,712	3,873	918	138,210	888,706	5,014,313	78,648	8,555,042	3,462,081
Car and general construction and repairs, electric-railroad repair shops	12	43	293		877	68,117	424,381	168,332	4,533	674,136	501,271
Car and general construction and repairs, steam-railroad repair shops	41	889	12,134	14,731	17,380	2,313,286	18,390,598	11,880,587	681,544	33,271,215	20,709,084
Caskets, coffins, burial cases, and other morticians' goods	8	20	83		451	62,120	106,165	234,958	6,159	549,184	308,067
Cereal preparations	4	3	12	207	50	4,220	11,202	267,316	1,762	348,175	79,097
Chemicals, not elsewhere classified	11	297	2,446	78,051	9,161	1,429,854	3,051,032	6,693,688	2,283,814	20,681,676	11,704,174
Cigars and cigarettes	12	268	6,375	1,500	3,958	584,042	4,710,187	45,586,659	154,352	147,701,545	101,960,534
Clay products (other than pottery) and nonclay refractories	43	128	1,239	3,257	4,296	342,636	1,168,062	131,865	661,903	2,945,282	2,151,514
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	17	158	2,381	375	410	393,952	1,538,218	4,599,505	40,053	8,064,733	3,425,175
Clothing, women's, not elsewhere classified	6	20	198		36	40,307	142,745	484,423	2,942	838,078	350,713
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	15	83	1,604	3	506	159,827	924,037	3,148,670	23,909	4,766,363	1,593,784
Coffee and spice, roasting and grinding	13	52	113	60	742	177,642	112,850	3,966,885	26,472	5,462,100	1,468,743
Coke, not including gas-house coke	7	15	352		1,552	19,084	219,426	50,899	804,651	1,304,493	448,943
Compressed and liquefied gases	9	69	146	850	1,634	141,562	193,568	265,452	75,475	1,327,422	986,495
Concrete products	26	48	266	47	639	91,376	276,777	499,379	13,015	1,301,454	789,060
Confectionery	19	101	1,338	325	3,796	309,025	655,895	8,737,177	92,420	10,678,880	1,849,283
Cooperage	113	59	899	341	188	127,667	578,178	2,695,631	3,838	4,209,835	1,510,366
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	10	39	97		177	87,934	119,533	720,261	5,001	1,040,141	314,879

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Cotton goods	9	142	7,672	55,982	2,805	498,755	5,741,225	12,915,830	549,774	25,038,049	11,572,445
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	10	23	99	170	259	42,117	86,253	139,392	6,939	399,469	253,138
Electrical machinery, apparatus, and supplies	7	9	58	----------	243	12,173	47,920	64,366	4,540	174,445	105,539
Engraving, steel and copperplate, and plate printing	4	3	18	----------	8	6,800	18,787	18,464	854	67,411	48,093
Excelsior	18	11	168	1,341	400	16,817	144,086	255,440	9,899	581,510	316,171
Feeds, prepared, for animals and fowls	10	14	26	175	456	18,472	24,134	490,867	8,198	634,032	134,967
Fertilizers	42	280	2,047	5,597	9,806	594,475	1,581,295	14,130,760	225,327	20,661,916	6,305,829
Flavoring extracts and flavoring syrups	10	60	149	----------	264	134,644	117,098	1,146,736	7,264	2,280,311	1,126,311
Flour and other grain-mill products	321	219	685	12,009	5,977	406,996	677,115	14,501,906	158,071	18,865,489	4,205,512
Food preparations, not elsewhere classified	8	19	114	14	891	55,292	87,179	697,953	17,746	947,677	231,978
Foundry and machine-shop products, not elsewhere classified	62	207	1,069	60	3,620	514,550	1,369,960	1,851,702	137,808	5,145,451	3,155,941
Furniture, including store and office fixtures	54	469	6,285	8,543	7,432	1,319,970	5,309,999	14,066,276	233,225	28,221,183	13,921,682
Gas, manufactured, illuminating and heating	14	148	490	1,444	2,948	274,308	593,939	701,105	876,774	5,396,334	3,818,955
Grease and tallow, not including lubricating greases	4	21	145	525	247	53,013	150,994	989,969	31,256	1,317,881	296,656
Hand stamps and stencils and brands	7	7	33	15	19	10,957	38,029	41,195	1,621	144,884	102,068
Hardware not elsewhere classified	3	7	92	----------	144	36,757	76,625	61,622	6,014	227,025	159,389
Ice cream	38	107	306	494	3,237	237,374	369,496	1,818,887	114,751	3,649,819	1,716,181
Ice, manufactured	111	229	867	5,603	25,639	460,581	927,302	200,215	701,672	4,042,862	3,140,975
Knit goods	24	119	3,125	599	2,007	388,985	1,863,425	5,143,447	99,866	9,381,123	4,137,810
Leather: Tanned, curried, and finished	9	37	816	1,739	2,087	84,499	776,382	7,482,139	146,435	9,500,544	1,871,970
Lime	26	88	728	1,342	5,160	225,113	606,341	597,853	292,032	2,105,645	1,215,760
Lumber and timber products, not elsewhere classified	811	297	8,720	29,848	2,688	676,984	6,512,215	6,642,561	127,458	20,656,537	13,886,518
Marble, granite, slate, and other stone products	26	113	807	2,482	1,166	218,411	885,762	530,057	74,885	2,248,974	1,644,032
Mattresses and bed springs, not elsewhere classified	14	32	165	----------	387	84,707	113,588	543,099	7,491	991,982	441,392
Meat packing, wholesale	26	73	548	685	1,552	197,527	530,540	8,051,636	65,040	9,641,180	1,524,504
Mirrors, framed and unframed	8	24	155	155	196	75,113	145,358	811,881	10,850	1,479,413	656,682
Motor-vehicle bodies and motor-vehicle parts	8	16	111	----------	304	31,610	145,240	165,396	8,758	430,687	256,533
Paints and varnishes	7	24	96	150	336	97,271	77,031	313,272	11,576	611,868	287,020
Paper	10	261	1,935	60,163	17,507	1,023,235	2,277,494	13,194,705	1,143,829	20,967,376	6,628,842
Pulp (wood and other fiber)	7	114	1,553			412,594	1,563,259	7,726,059	734,436	14,203,969	5,743,474
Patent or proprietary medicines and compounds	15	59	83	40	111	158,574	93,522	455,536	9,980	1,773,015	1,307,499
Peanuts, walnuts, and other nuts, processed or shelled	22	93	1,050	2,225	1,028	208,771	400,020	8,768,416	31,603	9,977,967	1,177,948
Photo-engraving, not done in printing establishments	8	22	68	----------	47	56,857	143,911	61,870	4,662	348,061	281,529
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	119	317	1,847	8,031	6,068	721,908	1,987,903	5,818,549	107,008	10,245,357	4,319,800
Printing and publishing, book and job	135	510	1,830	----------	2,504	1,337,845	2,386,489	2,834,402	85,440	9,905,825	6,985,983
Printing and publishing, newspaper and periodical	123	998	1,058	33	2,734	1,982,377	1,843,491	2,015,233	98,512	10,202,608	8,088,863
Ship and boat building, steel and wooden, including repair work	22	777	6,760	4,382	30,531	2,170,771	9,260,429	10,734,737	447,386	25,292,845	14,110,722
Shirts	7	17	489	----------	78	22,270	242,501	544,643	5,861	903,257	352,753
Silk and rayon manufactures	19	111	2,249	650	2,918	360,509	1,695,460	5,209,577	163,255	9,700,864	4,328,032
Stoves and ranges (other than electric) and warm-air furnaces	5	40	194	80	545	127,406	215,284	166,516	26,402	656,658	463,740
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	13	114	907	----------	6,035	265,885	1,354,436	3,998,262	96,573	7,602,713	3,507,878
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	9	50	270	2,330	75	159,952	263,667	1,129,096	170,713	1,979,115	679,306
Tobacco: Chewing and smoking, and snuff	6	156	1,507	734	996	746,543	933,858	7,837,768	54,561	17,744,996	9,852,667
Trunks, suitcases, and bags	7	103	1,167	1,190	297	270,284	977,037	3,017,098	19,594	5,782,717	2,746,025
Wood preserving	9	56	388	1,225	748	174,247	524,202	3,597,602	84,760	4,892,830	1,210,468
Wood turned and shaped and other wooden goods, not elsewhere classified	18	55	725	2,766	413	162,690	564,427	739,419	31,512	1,767,607	996,676
Woolen goods	7	52	1,003	722	1,537	126,270	922,861	1,925,104	64,397	3,780,022	1,790,521
Other industries	150	1,505	21,719	67,063	44,129	3,796,845	22,457,086	60,191,152	2,988,351	123,965,849	60,786,346

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 3,075 employees of central administrative offices, with salaries aggregating $7,885,239. See GENERAL EXPLANATIONS—Persons Engaged.

WASHINGTON

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Electric motors driven by purchased energy		Total [2]	Materials and containers	Fuel and purchased energy		
1929	3,672	114,830	814,891	419,732	395,159	$160,670,891	$428,413,026	$415,134,051	$13,278,975	$795,561,861	$367,148,835
1927	3,344	104,468	680,408	346,678	333,730	145,930,930	389,884,598	378,582,862	11,301,736	677,913,579	288,028,981
1925	3,216	105,893	748,110	486,585	261,525	146,224,608	372,768,621	(4)	(4)	659,339,836	286,681,215
1923	3,029	111,663	593,330	376,129	217,201	156,434,842	372,044,358	(4)	(4)	678,543,200	306,498,842
1921	2,908	77,518	(5)	(5)	(5)	99,191,041	259,685,170	(4)	(4)	448,164,548	188,479,378
1919	4,918	132,928	683,073	467,152	215,921	194,968,222	443,177,531	431,896,276	11,281,255	809,622,984	366,445,453
1914	3,829	67,205	389,344	304,391	84,953	51,703,052	136,609,309	131,352,710	5,256,599	245,326,456	108,717,147
1909	3,674	69,120	297,759	266,808	30,951	49,766,368	117,887,688	114,423,470	3,464,218	220,746,421	102,858,733
1904	2,751	45,199	167,583	155,933	11,650	30,087,287	66,166,165	64,550,858	1,585,307	128,821,667	62,655,502
1899	1,926	31,523	87,425	84,863	2,562	17,065,140	38,276,944	(5)	(5)	70,831,345	32,654,401
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	9.8	9.9	19.8	21.1	18.4	10.1	9.9	9.7	17.5	17.4	27.5
1925–1927	4.0	—1.3	—9.0	—28.8	27.6	—0.2	4.6			2.8	0.5
1923–1925	6.2	—5.2	26.1	29.4	20.4	—6.5	0.2			—2.8	—6.6
1921–1923	4.2	44.0				57.7	43.3			51.4	62.6
1919–1921	—40.9	—41.7				—49.1	—41.4			—44.6	—48.6
1919–1929	—25.3	—13.6	19.3	—10.2	83.0	—17.6	—3.3	—3.9	17.7	—1.7	0.2
1909–1919	33.9	92.3	129.4	75.1	597.6	291.8	275.9	277.5	225.7	266.8	256.3
1899–1909	90.8	119.3	240.6	214.4	1,108.1	191.6	208.0			211.7	216.0

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	1,563,396	3,672	114,830	814,891	$160,670,891	$428,413,026	$415,134,051	$13,278,975	$795,561,861	$367,148,835
Seattle-Tacoma Industrial Area (King and Pierce Counties)	627,359	1,757	47,449	293,088	66,055,354	227,818,630	221,510,088	6,308,542	389,775,019	161,956,389
Counties [3]										
Asotin	8,136	8	93	527	101,129	454,741	441,450	13,291	722,069	267,328
Benton	10,952	11	72	549	109,183	761,442	737,653	23,789	1,076,666	315,224
Chelan	31,634	55	904	6,174	1,174,995	2,816,147	2,681,953	134,194	6,626,585	2,810,438
Clallam	20,449	56	2,161	30,222	3,528,269	8,286,632	7,693,905	692,727	17,187,538	8,900,906
Clark	40,316	74	3,455	59,197	4,653,323	16,112,924	15,214,759	898,165	28,265,166	12,152,242
Columbia	5,325	7	32	428	51,189	84,924	76,619	8,405	171,661	86,737
Cowlitz	31,906	54	4,250	67,940	6,120,822	5,441,350	5,210,901	230,449	17,082,707	11,641,357
Ferry	4,292	15	161	1,591	189,580	145,796	144,759	1,037	619,704	473,908
Franklin	6,137	5	278	1,155	441,203	1,051,636	1,009,701	41,935	1,771,468	719,832
Garfield	3,662	4	11	186	13,316	92,659	91,616	1,043	136,550	43,891
Grays Harbor [4]	59,982	149	10,854	68,893	16,867,809	29,834,603	29,399,614	434,989	64,480,750	34,646,147
Jefferson	8,346	20	1,126	20,065	1,629,178	3,427,760	3,194,265	233,495	7,027,834	3,600,074
King [4]	463,517	1,342	29,167	156,544	41,785,582	121,102,995	117,382,363	3,720,632	228,354,787	107,251,792
Kitsap	30,776	40	1,441	6,014	1,992,537	2,758,375	2,679,323	79,052	7,071,392	4,313,017
Kittitas	18,154	27	332	2,287	515,477	708,708	693,251	15,457	1,639,202	930,494

See footnotes at end of table.

TABLE 2.—SUMMARY FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties [3]—Continued										
Klickitat	9,825	39	715	5,383	$970,041	$619,721	$598,556	$21,165	$2,738,320	$2,118,599
Lewis	40,034	130	3,265	23,672	4,560,035	5,877,811	5,728,169	149,642	14,162,690	8,284,879
Lincoln	11,876	11	56	520	66,739	435,036	422,758	12,278	713,407	278,371
Mason	10,060	54	1,886	7,408	2,726,971	4,203,016	4,031,546	171,470	11,495,688	7,292,672
Okanogan	18,519	37	829	3,745	1,208,984	922,492	875,353	47,139	2,892,007	1,969,515
Pacific	14,970	61	2,200	9,701	3,008,669	5,245,072	5,223,168	21,904	10,916,591	5,671,519
Pend Oreille	7,155	21	942	10,874	1,136,596	927,341	813,411	113,930	4,071,941	3,144,600
Pierce [4]	163,842	415	18,282	136,544	24,269,772	106,715,635	104,127,725	2,587,910	161,420,232	54,704,597
San Juan	3,097	14	214	485	189,198	685,317	641,711	43,606	1,256,967	571,650
Skagit	35,142	76	3,071	21,722	4,310,150	9,205,769	8,676,333	529,436	18,266,791	9,061,022
Skamania	2,891	11	306	1,765	398,116	833,861	817,935	15,926	1,518,553	684,692
Snohomish	78,861	179	8,779	60,604	11,446,532	25,213,023	24,624,818	588,205	48,161,193	22,948,170
Spokane [4]	150,477	316	8,051	45,577	10,632,736	39,346,677	38,085,654	1,261,023	65,153,181	25,806,504
Stevens	18,550	43	578	5,444	723,370	1,074,826	787,668	287,158	2,955,574	1,910,748
Thurston	31,351	67	3,011	18,531	4,222,928	7,491,492	7,346,172	145,320	16,419,485	8,927,993
Wahkiakum	3,862	14	540	363	1,036,555	1,411,751	1,403,310	8,441	3,181,282	1,769,531
Walla Walla	28,441	46	351	2,405	495,518	3,419,817	3,325,830	93,987	5,092,854	1,673,037
Whatcom	59,128	128	5,073	29,546	7,189,073	13,883,077	13,401,319	481,758	29,553,169	15,700,092
Whitman	28,014	36	131	705	198,896	699,292	672,348	26,444	1,158,682	459,390
Yakima	77,402	90	2,101	7,645	2,509,287	6,328,251	6,106,241	222,010	12,030,433	5,702,182
All other counties [5]	26,315	17	112	477	177,113	793,557	771,994	21,563	1,108,742	315,185
Cities having 10,000 inhabitants or more										
Aberdeen	21,723	62	2,763	19,799	4,010,691	9,906,393	9,778,933	127,460	17,252,255	7,345,862
Bellingham	30,823	84	3,941	18,933	5,821,019	8,160,605	7,938,925	221,680	20,187,029	12,026,424
Bremerton	10,170	14	57	300	104,522	226,521	217,011	9,510	486,401	259,880
Everett	30,567	94	4,208	27,828	5,068,849	14,015,344	13,803,772	211,572	23,085,155	9,069,811
Hoquiam	12,766	35	2,648	27,626	4,016,473	9,631,636	9,381,419	250,217	17,699,670	8,068,034
Longview	10,652	16	528	8,093	719,244	1,990,604	1,817,177	173,427	3,511,828	1,521,224
Olympia	11,733	32	1,344	8,555	1,712,741	4,952,609	4,874,484	78,125	8,709,300	3,756,691
Port Angeles	10,188	22	1,149	27,406	1,333,177	7,106,552	6,518,331	588,221	11,987,221	4,880,669
Seattle [6]	365,583	1,219	23,003	116,280	33,347,697	108,413,425	105,507,442	2,905,983	199,810,372	91,396,947
Spokane [6]	115,514	275	5,252	21,276	6,636,020	27,306,985	26,670,858	636,127	45,607,723	18,300,738
Tacoma [6]	106,817	329	13,424	89,290	17,539,155	54,724,643	53,448,453	1,276,190	92,774,045	38,049,402
Vancouver	15,766	37	1,517	12,589	2,117,230	6,748,476	6,626,337	122,139	13,076,318	6,327,842
Walla Walla	15,976	34	285	1,433	409,955	2,439,208	2,365,336	73,872	3,730,644	1,291,436
Wenatchee	11,627	26	521	2,692	712,750	1,903,986	1,803,029	100,957	3,504,754	1,600,768
Yakima	22,101	52	878	2,880	1,093,344	3,667,369	3,520,238	147,131	6,801,577	3,134,208

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
[4] For statistics by industries for this county, see Table 13.
[5] Adams, Douglas, Grant, and Island Counties. (See footnote 3.)
[6] For statistics by industries for this city, see Table 14.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

Census year	All classes			Proprietors and firm members			Principal salaried officers of corporations			Other salaried officers and employees			Wage earners (average for the year)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	130,878	118,313	12,565	2,138	2,030	108	[2] 2,488	[2] 2,356	[2] 132	[2] 11,422	[2] 8,644	[2] 2,778	114,830	[2] 105,283	[2] 9,547
1919 [1], [3]	150,479	139,977	10,502	4,195	4,084	111	1,884	1,806	78	11,772	8,984	2,788	132,928	125,403	7,525
1914 [3], [4]	78,445	73,957	4,491	3,155	3,028	127	1,063	1,038	25	7,025	6,005	1,020	67,205	63,886	3,319
1909	80,118	76,342	3,776	3,264	3,178	86	1,094	1,078	16	6,640	5,825	815	69,120	66,261	2,859

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 55; male, 49; female, 6. Other salaried officers and employees—total, 320; male, 332; female, 188. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	114,830	*98,865*	99,844	112,066	115,813	119,615	119,985	119,329	123,359	124,392	125,520	116,402	102,770	78.8
1919 [1]	132,928	128,313	*88,914*	122,770	137,395	141,028	141,474	141,701	146,135	146,872	142,083	133,821	123,630	61.2
1914 [1]	67,205	58,748	62,691	69,411	73,351	74,736	75,182	72,996	73,757	70,227	64,047	58,243	*55,071*	70.6
1909 [1]	69,120	*54,719*	60,419	66,778	71,091	72,717	72,159	70,744	72,990	73,617	73,949	72,614	67,645	74.0

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establisbment are classified as a total according to the customary hours of labor in tbat establishment even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	3,672	114,830	45 and over but under 48	94	3,878
			48	1,729	77,346
Not reported	352	855	Over 48 but under 54	45	1,533
Under 40	57	394	54	189	2,459
40	91	4,748	Over 54 but under 60	90	3,613
Over 40 but under 44	24	97	60 and over	185	3,651
44 and over but under 45	816	16,256			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, witb products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	3,672	4,918	3,674	114,830	132,928	69,120	51 to 100	172	175	149	12,447	12,657	10,969
							101 to 250	170	190	123	26,929	30,899	19,009
No wage earners	109	651	322				251 to 500	72	44	30	23,424	14,822	9,922
1 to 5	1,772	2,474	1,694	4,795	5,345	4,108	501 to 1,000	22	20	2	15,259	14,392	1,425
6 to 20	947	959	1,019	10,264	10,924	11,750	1,001 to 2,500	5	8	1	8,615	31,145	1,085
21 to 50	403	397	334	13,097	12,744	10,852	2,501 and over						

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for tbe "Automobile repairing" industry, whicb was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	3,672	4,918	3,674	114,830	132,928	69,120	$795,561,861	$809,622,984	$220,746,421	$367,148,835	$366,445,453	$102,858,733
Less than $5,000	(2)	1,100	902	(2)	530	963	(2)	2,884,381	2,397,468	(2)	1,953,854	1,639,474
$5,000 to $19,999	1,347	1,517	1,276	3,310	3,606	5,918	14,916,465	16,171,987	13,824,059	9,626,008	10,282,117	8,598,987
$20,000 to $99,999	1,268	1,330	1,073	10,492	12,810	18,671	58,683,136	61,124,524	47,224,421	33,478,789	33,852,870	26,287,103
$20,000 to $49,999	796	(3)	(3)	4,774	(3)	(3)	25,466,581	(3)	(3)	15,347,288	(3)	(3)
$50,000 to $99,999	472	(3)	(3)	5,718	(3)	(3)	33,216,555	(3)	(3)	18,131,501	(3)	(3)
$100,000 to $499,999	716	673	403	25,998	26,962	37,553	155,735,071	148,750,550	114,920,740	76,606,896	71,145,504	55,916,259
$100,000 to $249,999	495	(3)		13,251	(3)		77,834,848	(3)		39,471,172	(3)	
$250,000 to $499,999	221	(3)		12,767	(3)		77,900,223	(3)		37,135,724	(3)	
$500,000 to $999,999	159	163		17,562	21,908		114,149,150	112,442,853		52,768,775	58,925,958	
$1,000,000 and over	182	135	20	57,468	67,112	6,015	452,078,039	468,248,689	42,379,727	194,668,367	190,285,150	10,416,910
$1,000,000 to $2,499,999	141	(3)	(3)	32,520	(3)	(3)	206,463,514	(3)	(3)	101,741,207	(3)	(3)
$2,500,000 to $4,999,999	28	(3)	(3)	15,366	(3)	(3)	97,178,219	(3)	(3)	52,210,728	(3)	(3)
$5,000,000 and over	13	(3)	(3)	9,582	(3)	(3)	148,436,306	(3)	(3)	40,716,432	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[2] No data.

[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	3,672	4,918	114,830	132,928	$795,561,861	$809,622,984	$367,148,835	$366,445,453
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	1,872	1,913	104,816	120,361	740,908,431	739,639,897	337,316,926	329,471,376
Other forms of ownership or control (individual, partnership, etc.)	1,800	3,005	10,014	12,567	54,653,430	69,983,087	29,831,909	36,974,077
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	377	(1)	33,165	(1)	336,355,208	(1)	118,789,322	(1)
Independent (single-unit)	3,295	(1)	81,665	(1)	459,206,653	(1)	248,359,513	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY												ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	814,891	419,732	1,392	193,560	188	206,758	150	4,397	50	15,017	30,822	395,159	13,498	276,286
1927	680,408	346,678	1,300	165,241	132	166,860	177	4,476	38	10,101	23,623	333,730	8,766	166,951
1925	748,110	486,585	2,410	326,865	120	143,143	241	6,414	54	10,163	18,634	261,525	7,489	250,017
1919 [1]	683,073	467,152	3,543	402,007	86	51,299	536	6,123	87	7,723	13,944	215,921	3,052	62,234
1914 [1]	389,344	304,391	[2] 2,899	[2] 291,923	(3)	(3)	260	3,162	116	9,306	6,005	84,953	1,339	27,532
Seattle-Tacoma Industrial Area (King and Pierce Counties)	293,088	87,539	380	40,049	56	45,644	30	1,578	2	268	17,954	205,549	2,709	47,744
Counties in which aggregate horsepower exceeded 5,000; 1929														
Clallam	30,222	22,745	33	8,635	5	8,800	6	70	11	5,240	331	7,477	716	36,795
Clark	59,197	11,512	34	[4] 5,517	3	4,195	1	(4)	4	1,800	1,939	47,685	123	3,400
Cowlitz	67,940	62,340	22	26,855	18	35,330	4	155	------	------	280	5,600	3,262	73,407
Grays Harbor	68,893	60,212	149	31,412	23	28,761	6	39	------	------	885	8,681	1,840	36,809
King	156,544	47,600	234	17,662	30	28,474	24	1,464	------	------	12,008	108,944	1,423	29,005
Pierce	136,544	39,939	146	22,387	26	17,170	6	114	2	268	5,856	96,605	1,286	18,739
Snohomish	60,604	43,873	113	19,968	28	23,549	22	356	------	------	1,336	16,731	2,375	28,540
Spokane	45,577	8,168	70	[5] 6,511	3	1,580	6	77	1	(5)	2,990	37,409	66	1,116
Whatcom	29,546	15,061	64	6,343	7	8,655	5	63	------	------	933	14,485	483	2,650

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2
[4] Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.
[5] Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	814,891	419,732	395,159	276,286	Lincoln	520	240	280	----------
Asotin	527	100	427	----------	Mason	7,408	1,765	5,643	5,414
Benton	549	110	439	----------	Okanogan	3,745	1,805	1,940	520
Chelan	6,174	2,944	3,230	1,254	Pacific	9,701	8,999	702	2,760
Clallam	30,222	22,745	7,477	36,795	Pend Oreille	10,874	7,603	3,271	1,622
Clark	59,197	11,512	47,685	3,400	Pierce	136,544	39,939	96,605	18,739
					San Juan	485	454	31	15
Columbia	428	263	165	----------	Skagit	21,722	15,761	5,961	9,255
Cowlitz	67,940	62,340	5,600	73,407	Skamania	1,768	1,355	413	----------
Ferry	1,591	1,561	30	20	Snohomish	60,604	43,873	16,731	28,540
Franklin	1,155	42	1,113	----------					
					Spokane	45,577	8,168	37,409	1,116
Garfield	186	91	95	----------	Stevens	5,444	2,901	2,543	120
Grays Harbor	68,893	60,212	8,681	36,809	Thurston	18,531	7,486	11,045	4,667
Jefferson	20,065	19,977	88	1,880	Wahkiakum	363	[2] 363	(2)	5
King	156,544	47,600	108,944	29,005	Walla Walla	2,405	305	2,100	----------
Kitsap	6,014	4,890	1,124	5,480	Whatcom	29,546	15,061	14,485	2,650
Kittitas	2,287	1,948	339	----------	Whitman	705	120	585	----------
Klickitat	5,383	4,861	522	3,258	Yakima	7,645	2,852	4,793	----------
Lewis	23,672	19,376	4,296	9,550	All other counties	477	110	367	5

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Item for electric motors included with that for prime movers to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	677,524	$2,904,063	666,451	480,700	647,907	495,869	424,486
Anthracite (tons, 2,240 pounds)	2,350	24,369	(3)	14,611	4,502	4,525	6,268
Bituminous (tons, 2,000 pounds)	674,892	2,879,694	(3)	464,336	642,865	490,801	417,466
Coke (tons, 2,000 pounds)	43,964	447,083	(4)	(4)	68,205	69,355	47,420
Fuel oils, including crude oils and gas oils (gallons) [5]	71,199,227	2,184,024	(4)	(4)	72,775,500	62,872,194	28,347,984
Gasoline and kerosene (gallons) [5]	410,820	66,638	(4)	(4)	1,526,154		
Gas, natural (M cubic feet)	3,658	2,977	(4)	(4)	215,511	88,491	90,115
Gas, manufactured (M cubic feet)	213,321	166,758	(4)	(4)			
Other fuels	----------	1,451,110	(4)	(4)	(4)	(4)	(4)
Electric energy purchased (kilowatt-hours)	782,921,745	6,055,431	(6)	(4)	(4)	(4)	(4)
			Cost	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy	----------	[7] 13,278,084	$11,301,736	(5)	$11,281,255	$5,256,599	$3,464,218

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [1]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	3,672	[2] 13,910	114,830	419,732	395,159	*Dollars* [3] 35,904,583	*Dollars* 160,670,891	*Dollars* 415,134,051	*Dollars* 13,278,975	*Dollars* 795,561,861	*Dollars* 367,148,835
Agricultural implements	4	6	21	----------	65	19,711	24,662	96,375	1,558	270,464	172,531
Awnings, tents, sails, and canvas covers	13	31	82	----------	72	61,540	108,089	419,806	3,161	812,779	389,812
Belting, leather	6	3	11	----------	48	2,396	19,031	87,253	906	139,232	51,073
Beverages	49	57	161	33	1,117	104,779	244,595	568,711	40,779	1,381,747	772,257
Bookbinding and blank-book making	16	16	90	----------	153	34,391	90,894	124,025	5,335	486,035	356,675
Boots and shoes, other than rubber	10	16	87	----------	106	63,911	115,970	311,499	4,472	589,439	273,468
Boxes, paper, not elsewhere classified	14	56	257	----------	278	167,440	246,560	723,678	10,006	1,374,441	640,757
Boxes, wooden, except cigar boxes	22	43	451	1,586	1,820	128,083	449,053	1,372,793	28,934	2,196,946	795,219
Bread and other bakery products	370	348	2,607	32	4,084	723,722	3,851,830	9,686,088	421,612	20,490,217	10,382,517
Brooms	5	4	32	----------	41	6,980	36,384	74,099	690	155,853	81,064
Brushes, other than rubber	5	15	59	----------	74	38,950	48,638	115,478	1,945	272,647	155,224
Butter	84	195	535	1,858	3,300	428,550	783,408	11,705,649	200,095	14,963,079	3,057,335
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	63	153	1,122	924	1,605	383,285	948,029	8,714,313	58,270	12,202,094	3,429,511
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	72	297	3,720	458	2,925	638,405	2,967,861	13,900,667	200,624	22,233,749	8,132,458
Car and general construction and repairs, electric-railroad repair shops	10	30	379	----------	1,548	65,272	635,283	441,236	20,523	1,166,383	704,624
Car and general construction and repairs, steam-railroad repair shops	36	331	4,990	1,407	13,859	859,544	8,036,310	7,582,309	342,621	16,846,373	8,921,443
Caskets, coffins, burial cases, and other morticians' goods	7	20	123	----------	1,809	71,282	148,513	286,537	8,032	644,366	349,797
Cereal preparations	5	9	21	----------	53	19,480	20,043	142,972	1,502	312,954	168,480
Cheese	14	25	56	100	165	47,319	89,211	1,015,519	15,924	1,378,003	346,560
Chemicals, not elsewhere classified	6	51	120	225	4,785	104,256	195,625	482,721	138,733	1,305,760	687,306
Cigars and cigarettes	5	1	15	----------	----------	(4)	13,528	19,223	60	49,220	29,537
Clay products (other than pottery) and nonclay refractories	25	93	1,066	2,305	6,098	220,640	1,351,935	467,190	653,001	3,638,597	2,518,406
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	9	20	119	----------	30	39,423	166,782	243,637	3,981	572,212	324,594
Clothing, women's, not elsewhere classified	39	120	1,213	----------	333	365,759	986,213	2,342,926	13,110	4,741,107	2,385,071
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	7	69	662	----------	197	152,797	551,516	1,628,153	11,970	2,973,885	1,333,762
Coffee and spice, roasting and grinding	24	104	195	----------	550	342,890	255,394	4,224,993	27,293	6,053,437	1,801,151
Compressed and liquefied gases	8	50	47	----------	754	94,374	79,162	186,914	41,794	688,174	459,466
Concrete products	40	64	300	76	1,253	152,419	413,127	474,969	21,609	1,387,799	891,221
Condensed and evaporated milk	11	58	255	637	1,266	127,438	289,960	5,038,511	99,875	6,166,254	1,027,868
Confectionery	52	183	754	----------	1,279	399,698	694,934	2,274,677	48,391	4,796,181	2,473,113
Cooperage	5	23	519	1,325	1,259	85,826	645,337	1,140,563	14,077	2,088,938	934,298
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	80	126	615	90	594	365,300	1,014,226	1,541,455	16,692	3,743,932	2,186,785
Electrical machinery, apparatus, and supplies	20	89	294	10	456	221,802	350,209	912,771	15,833	1,813,071	884,467
Electroplating	8	7	36	----------	101	20,291	59,365	21,418	3,163	133,415	108,834
Engraving, steel and copperplate, and plate printing	4	16	39	----------	31	32,014	64,071	59,683	1,696	191,703	130,324
Fancy and miscellaneous articles, not elsewhere classified	4	4	23	----------	6	3,529	17,636	41,016	488	123,069	81,565
Feeds, prepared, for animals and fowls	37	123	410	----------	5,674	242,071	531,807	12,912,586	87,905	15,333,076	2,332,585
Fertilizers	3	13	24	75	115	34,330	23,645	227,357	3,613	402,704	171,734
Flavoring extracts and flavoring syrups	3	8	26	----------	50	18,688	36,823	277,106	993	426,825	148,726
Flour and other grain-mill products	47	385	1,024	919	14,673	790,660	1,413,290	38,908,869	290,186	45,563,866	6,364,811
Food preparations, not elsewhere classified	20	46	85	10	339	86,744	94,233	926,665	15,033	1,331,464	389,766
Forgings, iron and steel, not made in plants operated in connection with rolling mills	4	27	121	----------	1,251	62,626	173,369	342,371	28,311	764,821	394,139
Foundry and machine-shop products, not elsewhere classified	206	621	3,255	758	14,905	1,847,578	5,266,687	6,719,386	406,480	18,428,298	11,302,432
Fur goods	21	34	198	----------	79	95,932	252,717	462,338	5,518	1,158,511	690,655
Furniture, including store and office fixtures	65	186	1,632	520	4,626	461,773	1,915,670	2,882,415	59,789	6,637,074	3,694,870
Gas and electric fixtures; lamps, lanterns, and reflectors	11	61	184	----------	94	157,291	285,839	317,857	5,761	898,253	574,635
Gas, manufactured, illuminating and heating	10	257	532	5,668	695	375,479	696,784	822,139	913,206	4,627,322	2,891,977
Glass products (except mirrors) made from purchased glass	3	1	12	----------	10	(4)	15,109	24,010	509	62,956	38,437
Hand stamps and stencils and brands	8	29	37	----------	62	37,598	58,440	97,095	2,577	246,285	146,613
Hardware not elsewhere classified	4	20	55	----------	121	37,451	48,428	69,619	3,507	221,802	148,676
House-furnishing goods, not elsewhere classified	10	16	55	----------	59	24,846	64,488	179,141	1,428	347,367	166,798
Ice cream	54	66	403	35	2,167	168,950	671,411	2,170,888	106,149	4,317,128	2,240,091
Ice, manufactured	38	72	276	1,158	7,181	185,981	400,213	101,843	204,579	1,590,488	1,284,066
Iron and steel: Steel works and rolling mills	6	110	724	----------	12,169	436,527	1,364,842	1,835,256	397,097	6,653,696	3,421,343
Jewelry	13	16	66	----------	26	22,661	97,197	128,667	1,412	355,802	225,723
Knit goods	8	22	180	----------	81	37,194	155,067	295,877	5,825	583,145	281,443
Lime	4	20	171	220	166	53,777	167,336	115,006	66,367	467,084	285,711
Lithographing	7	42	163	----------	250	148,121	277,708	463,798	8,484	1,247,638	775,356
Lumber and timber products, not elsewhere classified	772	3,032	58,570	321,744	71,690	9,259,238	83,753,402	97,093,035	1,274,731	262,621,468	164,253,702
Macaroni, spaghetti, vermicelli, and noodles	11	23	35	----------	340	45,842	37,970	236,337	11,930	449,168	200,901
Machine-tool accessories and small metal-working tools, not elsewhere classified	4	2	18	----------	39	(4)	23,654	10,726	405	55,828	44,697
Marble, granite, slate, and other stone products	16	35	201	150	2,423	90,837	320,958	274,982	21,222	822,286	526,082
Mattresses and bed springs, not elsewhere classified	9	11	90	----------	584	28,104	124,386	359,041	2,545	689,033	322,447
Meat packing, wholesale	34	331	1,283	398	4,805	788,708	1,750,187	29,338,427	204,974	34,412,937	4,869,536
Millinery	9	39	268	----------	25	91,692	250,834	415,759	3,031	882,802	464,012
Mirror and picture frames	3	2	14	----------	16	(4)	20,416	6,878	554	43,083	35,651
Mirrors, framed and unframed	8	26	70	----------	104	73,201	138,544	171,215	5,213	449,308	272,880
Models and patterns, not including paper patterns	13	5	42	----------	190	7,920	80,266	39,697	2,500	212,986	170,789
Motor-vehicle bodies and motor-vehicle parts	18	50	229	----------	5,082	100,349	328,920	706,655	14,269	1,425,663	704,739
Nonferrous-metal alloys and products, not including aluminum products	19	43	173	----------	791	124,221	283,391	818,651	20,042	1,582,785	744,092

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Paints and varnishes	11	50	127	----------	683	125,190	168,811	865,265	12,219	1,709,274	831,790
Paper	15	297	2,774	} 59,068	82,534	{ 911,147	3,667,255	13,774,146	2,104,276	28,429,104	12,550,682
Pulp (wood and other fiber)	15	188	2,394			{ 498,972	3,648,961	9,844,461	911,637	18,664,992	7,908,894
Patent or proprietary medicines and compounds	16	35	50	100	126	67,686	53,246	325,109	6,758	658,155	326,288
Photo-engraving, not done in printing establishments	16	38	92	----------	111	108,984	214,413	81,127	7,175	623,563	535,261
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	129	461	3,600	4,621	20,649	1,237,881	4,472,917	14,269,731	290,164	23,463,304	8,903,409
Pottery, including porcelain ware	4	3	13	----------	37	4,200	14,157	3,845	1,789	47,180	41,546
Poultry killing, dressing, and packing, wholesale	13	10	113	----------	35	13,023	131,515	1,469,675	1,886	1,829,799	358,238
Printing and publishing, book and job	199	389	1,061	----------	1,727	966,780	1,853,636	1,821,158	71,831	6,789,319	4,896,330
Printing and publishing, newspaper and periodical	213	2,181	1,748	10	3,479	4,729,560	3,480,638	3,862,277	143,196	21,093,525	17,088,052
Pumps (hand and power) and pumping equipment	5	9	35	----------	69	20,084	48,949	93,302	1,619	216,351	121,430
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	6	3	19	----------	76	3,526	25,419	30,550	585	113,819	82,684
Rubber goods other than tires, inner tubes, and boots and shoes	4	6	28	----------	166	12,075	28,510	13,889	1,613	103,904	88,402
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	10	11	31	----------	170	30,900	61,697	524,009	6,951	690,752	159,792
Ship and boat building, steel and wooden, including repair work	53	129	1,464	787	7,163	335,574	2,401,509	1,942,402	67,615	5,474,762	3,464,745
Signs and advertising novelties	25	47	151	----------	44	132,977	277,235	224,325	5,235	1,445,821	1,216,261
Soap	4	14	36	80	264	33,730	47,792	412,566	2,946	569,941	154,429
Sporting and athletic goods, not including firearms or ammunition	8	12	43	----------	45	22,620	49,670	145,211	1,451	316,515	169,853
Stationery goods, not elsewhere classified	3	9	22	----------	22	23,390	29,062	75,085	1,080	153,078	76,913
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified	3	6	18	----------	38	14,840	26,531	48,519	2,757	116,709	65,433
Stereotyping and electrotyping, not done in printing establishments	4	9	21	----------	168	21,262	62,850	15,047	2,905	141,451	123,499
Stoves and ranges (other than electric) and warm-air furnaces	17	73	329	----------	469	158,583	426,484	507,698	18,747	1,494,417	967,972
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	18	78	429	60	5,105	236,944	653,625	960,656	33,778	2,393,946	1,399,512
Surgical and orthopedic appliances, including artificial limbs	4	----------	14	----------	12	----------	17,345	15,052	262	60,322	45,008
Tin cans and other tinware, not elsewhere classified	6	50	453	----------	1,984	93,077	549,497	6,013,549	59,991	8,213,590	2,140,050
Tools, not including edge tools, machine tools, files, or saws	6	26	39	----------	96	67,006	38,520	60,693	2,290	255,686	192,703
Toys (not including children's wheel goods or sleds), games, and playground equipment	3	4	32	----------	47	7,700	22,760	27,518	943	73,784	45,323
Trunks, suitcases, and bags	7	15	90	----------	42	41,017	124,129	166,079	2,687	458,272	289,506
Vinegar and cider	9	12	39	25	554	22,140	37,764	203,453	12,611	408,325	192,261
Wall plaster, wall board, insulating board, and floor composition	7	30	108	----------	831	103,156	134,070	374,577	17,733	929,445	537,135
Window shades and fixtures	8	6	31	----------	216	5,438	39,064	97,604	989	188,024	89,431
Wood preserving	12	59	519	1,320	1,529	183,366	734,911	5,336,472	78,986	8,074,312	2,658,854
Wood turned and shaped and other wooden goods, not elsewhere classified	9	17	128	200	1,129	66,015	164,774	318,380	8,272	700,715	374,063
Other industries	160	1,126	7,077	10,740	62,543	3,075,854	9,812,760	72,989,102	2,737,098	106,760,198	31,033,998

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 575 employees of central administrative offices, with salaries aggregating $2,035,950. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for the Seattle-Tacoma Industrial Area (see GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
SEATTLE-TACOMA INDUSTRIAL AREA											
[This area comprises King and Pierce Counties. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnotes 1 and 3), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	1,757	7,635	47,449	87,539	205,549	$19,756,280	$66,055,354	$221,510,088	$6,308,542	$389,775,019	$161,956,389
Awnings, tents, sails, and canvas covers	10	23	63	-------	44	46,106	83,699	288,822	1,736	590,899	300,341
Beverages	17	23	60	15	275	38,137	97,246	195,274	11,054	478,473	272,145
Bookbinding and blank-book making	11	6	34	-------	40	16,186	42,444	37,094	1,581	168,241	129,566
Boxes, wooden, except cigar boxes	7	17	216	1,091	154	60,258	188,330	419,176	2,548	784,210	362,486
Bread and other bakery products	191	212	1,544	28	2,389	460,625	2,370,671	5,731,215	227,469	12,426,930	6,468,246
Brushes, other than ruhher [1]	5	15	59	-------	74	38,950	48,638	116,478	1,945	272,647	155,224
Butter	10	28	50	65	740	55,434	78,271	1,495,572	13,669	1,718,862	209,621
Canning and preserving: Fish, crahs, shrimps, oysters, and clams [1]	13	21	96	-------	505	60,706	120,772	1,199,898	15,235	1,596,734	381,601
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	25	130	1,173	-------	1,022	297,541	928,373	5,320,120	58,534	8,313,008	2,934,354
Caskets, coffins, hurial cases, and other morticians' goods	3	8	42	-------	1,545	17,898	49,506	87,990	2,595	146,684	56,099
Chemicals, not elsewhere classified	6	51	120	225	4,785	104,256	195,625	482,721	138,733	1,308,760	687,306
Clay products (other than pottery) and nonclay refractories	8	32	495	494	2,851	73,495	656,300	173,657	271,264	1,518,309	1,073,388
Clothing, women's, not elsewhere classified	35	109	1,034	-------	299	329,537	866,242	2,116,467	10,948	4,193,791	2,066,376
Coffee and spice, roasting and grinding	17	92	176	-------	479	315,694	232,312	3,867,588	23,995	5,580,374	1,688,791
Concrete products	23	28	203	10	699	68,875	286,906	275,945	9,727	830,111	544,439
Confectionery	36	136	558	-------	1,005	305,861	525,784	1,774,658	31,091	3,700,410	1,894,661
Cooperage	3	19	338	825	1,206	60,226	437,931	893,781	14,077	1,566,358	658,500
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	53	92	465	90	480	293,120	749,271	1,095,544	11,354	2,699,747	1,592,849
Engraving, steel and copperplate, and plate printing	4	16	39	-------	31	32,014	64,071	59,683	1,696	191,703	130,324
Feeds, prepared, for animals and fowls	18	87	302	-------	3,775	187,120	395,232	9,202,002	51,241	10,939,384	1,686,141
Fertilizers	3	13	24	75	115	34,330	23,645	227,357	3,613	402,704	171,734
Flavoring extracts and flavoring syrups	3	8	26	-------	50	18,688	36,823	277,106	993	426,825	148,726
Flour and other grain-mill products	11	263	670	-------	9,902	496,974	936,846	26,696,883	146,426	30,903,941	4,060,632
Food preparations, not elsewhere classified	14	37	67	10	216	63,055	72,956	710,070	8,788	1,003,110	284,252
Foundry and machine-shop products, not elsewhere classified	135	445	2,297	538	10,770	1,310,311	3,820,000	5,086,174	282,407	13,772,709	8,404,128
Fur goods	10	23	125	-------	49	74,521	168,755	305,551	2,761	791,412	483,100
Furniture, including store and office fixtures	54	165	1,506	520	4,275	427,870	1,772,201	2,641,578	52,440	6,103,715	3,409,697
Glass products (except mirrors) made from purchased glass	3	1	12	-------	10	(2)	15,109	24,010	509	62,956	38,437
Hand stamps and stencils and brands	4	28	30	-------	48	36,601	51,453	87,703	2,094	202,387	112,590
House-furnishing goods, not elsewhere classified	10	16	55	-------	59	24,846	64,488	179,141	1,428	347,367	166,798
Ice cream	18	29	258	35	1,285	85,149	424,795	1,288,778	56,412	2,709,518	1,364,328
Ice, manufactured	12	28	90	543	2,376	65,746	143,872	30,537	70,372	594,740	493,831
Lithographing [1]	7	42	163	-------	250	148,121	277,708	463,798	8,484	1,247,638	775,356
Lumber and timber products, not elsewhere classified	139	830	14,831	69,853	35,508	2,516,018	19,948,095	22,266,863	599,496	62,019,032	39,152,673
Marble, granite, slate, and other stone products	8	18	147	-------	1,907	55,157	236,551	231,900	12,762	602,164	357,502
Mattresses and bed springs, not elsewhere classified	6	7	67	-------	459	20,185	87,778	251,785	5,161	510,803	253,857
Meat packing, wholesale	11	193	727	290	1,975	488,094	978,569	18,283,380	91,149	21,116,204	2,741,675
Millinery	9	39	268	-------	25	91,692	250,834	415,759	3,031	882,802	464,012
Mirror and picture frames	3	2	14	-------	16	(2)	20,416	6,878	554	43,083	35,651
Mirrors, framed and unframed [3]	8	26	70	-------	104	73,201	138,544	171,215	5,213	449,508	272,880
Motor-vehicle bodies and motor-vehicle parts	15	43	206	-------	5,009	82,321	291,601	660,430	12,361	1,298,834	626,043
Nonferrous-metal alloys and products, not including aluminum products	19	43	173	-------	791	124,221	283,391	818,651	20,042	1,582,785	744,092
Patent or proprietary medicines and compounds	9	24	26	-------	35	50,196	29,352	122,126	1,215	322,051	198,710
Photo-engraving, not done in printing establishments	11	33	72	-------	81	97,135	179,803	69,465	5,973	533,464	458,026
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	62	213	1,539	1,205	10,151	603,526	2,153,040	5,582,332	114,243	9,847,047	4,150,472
Pottery, including porcelain ware	4	3	13	-------	37	4,200	14,157	3,845	1,789	47,180	41,546
Printing and publishing, hook and job	127	281	736	-------	1,250	724,986	1,300,866	1,268,241	47,053	4,878,507	3,563,213
Printing and publishing, newspaper and periodical	81	1,153	900	-------	1,399	2,841,439	1,979,051	2,700,089	56,885	12,642,909	9,885,935
Pulp (wood and other fiber)	3	23	378	[4] 1,380	[5] 9,173	57,926	335,683	879,895	116,215	2,198,647	1,202,537
Rubber goods, other than tires, inner tubes, and boots and shoes	4	6	28	-------	166	12,075	28,510	13,889	1,613	103,904	88,402
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	5	8	21	-------	119	24,400	44,965	372,675	3,993	485,260	108,592
Ship and boat building, steel and wooden, including repair work	40	111	1,284	371	6,619	298,878	2,144,127	1,714,618	56,366	4,861,328	3,090,344
Signs and advertising novelties	19	45	132	-------	37	129,777	249,379	197,129	5,235	1,301,073	1,098,709
Sporting and athletic goods, not including firearms or ammunition [1]	8	12	43	-------	45	22,620	49,670	145,211	1,451	316,515	169,853
Stationery goods, not elsewhere classified	3	9	22	-------	22	23,390	29,062	75,085	1,080	153,078	76,913
Stoves and ranges (other than electric) and warm-air furnaces	14	66	282	-------	381	139,788	366,655	450,010	[4] 4,973	1,318,868	853,885
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	14	69	379	60	5,046	214,844	564,960	886,501	30,918	2,154,854	1,237,435

See footnotes at end of this section, p. 547.

TABLE 13.—GENERAL STATISTICS FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
SEATTLE-TACOMA INDUSTRIAL AREA—Continued											
Toys (not including children's wheel goods or sleds), games, and playground equipment	3	4	32	-------	47	$7,700	$22,760	$27,518	$943	$73,784	$45,323
Trunks, suitcases, and bags	7	15	90	-------	42	41,017	124,129	166,079	2,687	458,272	289,506
Wall plaster, wall board, insulating board, and floor composition	7	30	108	-------	831	103,156	134,070	374,577	17,733	929,445	537,135
Window shades and fixtures [1]	8	6	31	-------	216	5,438	39,064	97,604	989	188,024	89,431
Wood turned and shaped and other wooden goods, not elsewhere classified	6	16	100	200	775	64,615	134,969	301,128	4,519	632,635	326,988
Other industries	331	2,069	12,364	9,616	71,521	5,212,254	17,704,216	90,174,476	3,536,237	140,383,269	46,672,556
GRAYS HARBOR COUNTY											
All industries, total	149	639	10,854	60,212	8,681	$2,276,551	$16,867,809	$29,399,614	$434,989	$64,480,750	$34,646,147
Beverages	3	2	7	-------	6	[d]	11,544	16,115	1,937	40,540	22,488
Bread and other bakery products	14	10	97	-------	141	22,014	144,270	305,864	12,526	629,627	311,237
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	10	20	119	97	68	29,087	57,971	339,671	3,603	560,772	217,498
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	5	4	23	-------	7	6,894	42,059	52,933	375	148,686	95,378
Foundry and machine-shop products, not elsewhere classified	10	29	92	-------	704	79,374	186,302	120,237	21,316	432,532	290,979
Lumber and timber products, not elsewhere classified	58	378	9,165	49,147	3,748	1,599,461	14,535,242	24,092,282	117,401	53,343,490	29,133,807
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	11	29	319	545	1,524	87,483	419,667	1,464,465	32,652	2,266,980	769,863
Printing and publishing, book and job	3	3	8	-------	9	10,329	10,890	11,151	751	47,360	35,458
Printing and publishing, newspaper and periodical	8	55	67	-------	168	149,694	126,427	61,678	7,709	568,411	499,024
Other industries	27	109	957	10,423	2,306	292,215	1,333,437	2,935,218	236,719	6,442,352	3,270,415
KING COUNTY											
[The totals for all industries do not include data for a few establishments located outside the county (see footnotes 6 and 8), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	1,342	5,691	29,167	47,600	108,944	$14,823,647	$41,785,582	$117,382,363	$3,720,632	$228,354,787	$107,251,792
Beverages	13	12	31	-------	160	17,844	52,216	104,101	5,097	255,851	146,653
Bookbinding and blank-book making [6]	11	6	34	-------	40	16,186	42,444	37,094	1,581	168,241	129,566
Boots and shoes, other than rubber	6	11	45	-------	54	52,335	55,304	175,863	2,018	338,222	160,341
Boxes, paper, not elsewhere classified	10	47	207	-------	205	138,790	206,549	643,958	7,560	1,179,808	528,290
Bread and other bakery products	146	176	1,210	28	1,741	411,463	1,923,819	4,736,293	183,888	10,417,523	5,497,342
Butter	5	14	27	25	613	34,624	38,902	967,314	8,844	1,082,964	106,806
Canning and preserving: Fish, crabs, shrimps, oysters, and clams [8]	13	21	96	-------	505	60,706	120,772	1,199,898	15,235	1,596,734	381,601
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	18	63	506	-------	292	162,791	429,417	2,407,142	27,833	3,722,709	1,287,734
Clay products (other than pottery) and nonclay refractories [6]	8	32	495	494	2,851	73,495	656,300	173,657	271,264	1,518,309	1,073,388
Coffee and spice, roasting and grinding	12	81	154	-------	392	278,036	205,684	3,392,676	20,827	4,931,872	1,518,369
Concrete products	14	19	168	-------	415	44,955	240,328	215,770	7,203	645,165	422,192
Confectionery	30	110	449	-------	794	226,240	426,868	1,511,002	24,288	3,049,119	1,513,829
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	39	74	375	90	337	258,760	598,066	886,887	9,308	2,177,432	1,281,239
Electrical machinery, apparatus, and supplies	14	82	272	-------	421	206,509	330,103	871,848	14,186	1,703,523	817,489
Engraving, steel and copperplate, and plate printing [6]	4	16	39	-------	31	32,014	64,071	59,683	1,696	191,703	130,324
Feeds, prepared, for animals and fowls	10	52	230	-------	2,078	102,623	288,411	6,560,891	37,696	7,869,689	1,271,102
Fertilizers	3	13	24	75	115	34,330	23,645	227,357	3,613	402,704	171,734
Flavoring extracts and flavoring sirups	3	8	26	-------	50	18,688	36,823	277,106	993	426,825	148,726
Food preparations, not elsewhere classified	11	29	48	10	169	41,355	51,453	514,567	6,563	730,049	208,919
Foundry and machine-shop products, not elsewhere classified	112	348	1,845	433	8,594	1,081,389	3,088,457	3,992,856	198,908	11,094,680	6,902,916
Fur goods	10	23	125	-------	49	74,521	168,755	305,551	2,761	791,412	483,100
Furniture, including store and office fixtures	38	92	700	-------	2,222	231,891	955,418	1,282,806	28,975	3,034,261	1,722,480
Glass products (except mirrors) made from purchased glass	3	1	12	-------	10	[7]	15,109	24,010	509	62,956	38,437
House-furnishing goods, not elsewhere classified	10	16	55	-------	59	24,846	64,488	179,141	1,428	347,367	166,798

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The items for each of the 5 industries covered by this footnote include data for 1 establishment located outside the area, to avoid disclosing the figures reported by the establishments in question.

[d] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[6] The figures for 2 establishments located outside the area have been included in the items for the "Mirrors, framed and unframed" industry to avoid disclosing the data reported by these establishments.

[8] Includes item for "Paper" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

[7] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

See footnotes at end of this section, p. 548.

TABLE 13.—GENERAL STATISTICS FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
KING COUNTY—Continued											
Ice cream	12	21	219	35	942	$67,113	$362,930	$1,096,250	$47,748	$2,218,317	$1,074,319
Ice, manufactured	8	19	70	543	1,629	43,825	114,118	19,414	57,334	456,730	379,982
Jewelry	9	14	54	-------	21	20,872	81,982	114,909	966	310,714	194,839
Lumber and timber products, not elsewhere classified	71	391	6,611	37,108	12,426	1,049,432	9,171,539	10,955,067	194,412	28,415,685	17,266,206
Marble, granite, slate, and other stone products	4	11	44	-------	437	27,679	74,702	99,724	3,328	249,606	146,554
Millinery	9	39	268	-------	25	91,692	250,834	415,759	3,031	882,802	464,012
Mirror and picture frames	3	2	14	-------	16	(7)	20,416	6,878	554	43,083	35,651
Nonferrous-metal alloys and products, not including aluminum products	16	40	165	-------	769	117,939	265,772	770,169	18,875	1,501,410	712,366
Patent or proprietary medicines and compounds [8]	9	24	26	-------	35	50,196	29,352	122,126	1,215	322,051	198,710
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	35	89	573	280	3,063	297,544	861,595	2,347,819	41,309	4,074,523	1,685,395
Pottery, including porcelain ware	4	3	13	-------	37	4,200	14,157	3,845	1,789	47,180	41,546
Printing and publishing, book and job	102	226	616	-------	1,032	604,143	1,120,063	1,055,559	38,769	4,180,538	3,086,210
Printing and publishing, newspaper and periodical	65	956	710	-------	1,072	2,436,093	1,550,238	2,302,597	43,807	10,618,690	8,272,286
Rubber goods other than tires, inner tubes, and boots and shoes	4	6	28	-------	166	12,075	28,510	13,889	1,613	103,904	88,402
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	5	8	21	-------	119	24,400	44,965	372,675	3,993	485,260	108,592
Ship and boat building, steel and wooden, including repair work	30	98	1,144	365	5,644	274,931	1,919,664	1,372,260	53,171	4,134,246	2,708,815
Sporting and athletic goods, not including firearms or ammunition [8]	8	12	43	-------	45	22,620	49,670	145,211	1,451	316,515	169,853
Trunks, suitcases, and bags	7	15	90	-------	42	41,017	124,129	166,079	2,687	458,272	289,506
Wall plaster, wall board, insulating board, and floor composition	7	30	108	-------	831	103,156	134,070	374,577	17,733	929,445	537,135
Other industries	398	2,343	11,213	8,334	58,419	5,913,635	15,531,607	64,893,883	2,311,668	110,998,782	43,793,231
PIERCE COUNTY											
All industries, total	415	1,944	18,282	39,939	96,605	$4,932,633	$24,269,772	$104,127,725	$2,587,910	$161,420,232	$54,704,597
Beverages	4	11	29	15	115	20,293	45,030	91,173	5,957	222,622	125,492
Bread and other bakery products	45	36	334	-------	648	49,162	446,852	994,922	43,581	2,009,407	970,904
Butter	5	14	23	40	127	20,810	39,369	528,258	4,825	635,898	102,815
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves and sauces	7	67	667	-------	730	134,750	498,956	2,912,978	30,701	4,590,299	1,646,620
Coffee and spice, roasting and grinding	5	11	22	-------	87	37,658	26,628	474,912	3,168	648,502	170,422
Concrete products	9	9	35	10	284	23,920	46,578	60,175	2,524	184,946	122,247
Confectionery	6	26	109	-------	211	79,621	98,916	263,656	6,803	651,291	380,832
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	14	18	90	-------	143	34,360	151,205	208,657	2,048	522,315	311,610
Feeds, prepared, for animals and fowls	8	35	72	-------	1,697	84,497	106,821	2,641,111	13,545	3,069,695	415,039
Food preparations, not elsewhere classified	3	8	19	-------	47	21,700	21,503	195,503	2,225	273,061	75,333
Foundry and machine-shop products, not elsewhere classified	23	97	452	105	2,176	228,922	731,543	1,093,318	83,499	2,678,029	1,501,212
Furniture, including store and office fixtures	16	73	806	520	2,053	195,979	816,783	1,358,772	25,465	3,060,454	1,687,217
Ice cream	6	8	39	-------	343	18,036	61,865	192,528	8,664	491,201	290,009
Ice, manufactured	4	9	20	-------	747	21,921	29,754	11,123	13,038	138,010	113,849
Lumber and timber products, not elsewhere classified	68	439	8,220	32,745	23,082	1,466,586	10,776,556	11,311,796	405,084	33,603,347	21,886,467
Marble, granite, slate, and other stone products	4	7	103	-------	1,470	27,478	161,849	132,176	9,434	352,558	210,948
Nonferrous-metal alloys and products, not including aluminum products	3	3	8	-------	22	6,282	17,619	48,482	1,167	81,375	31,726
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	27	124	966	925	7,088	305,982	1,291,445	3,234,513	72,934	5,772,524	2,465,077
Printing and publishing, book and job	25	55	120	-------	218	120,843	180,773	212,682	8,284	697,969	477,003
Printing and publishing, newspaper and periodical	16	197	190	-------	327	405,346	428,813	397,492	13,078	2,024,219	1,613,649
Pulp (wood and other fiber)	3	23	378	[9] 1,380	[9] 9,173	57,926	335,683	879,895	116,215	2,198,647	1,202,537
Ship and boat building, steel and wooden, including repair work	10	13	140	6	975	23,947	224,463	342,358	3,195	727,082	381,529
Other industries	104	661	5,440	4,193	44,842	1,546,614	7,730,768	76,541,245	1,714,476	96,777,781	18,522,060

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[6] The items for each of the five industries covered by this footnote include data for 1 establishment located outside the county, to avoid disclosing the figures reported by the establishments in question.

[7] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[8] The figures for 2 establishments located outside the county have been included in the items for the "Sporting and athletic goods, not including firearms or ammunition" industry to avoid disclosing the data reported by these establishments.

[9] Includes item for "Paper" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

TABLE 13.—GENERAL STATISTICS FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
SPOKANE COUNTY											
All industries, total	316	1,632	8,051	8,168	37,409	$3,677,652	$10,632,736	$38,085,654	$1,261,023	$65,153,181	$25,806,504
Beverages	7	6	29	18	351	13,250	43,905	137,089	6,708	336,381	191,684
Boxes, wooden, except cigar boxes	4	13	114	100	809	44,695	123,506	467,189	12,419	681,917	202,309
Bread and other bakery products	35	70	377	3	583	140,280	526,350	1,517,072	74,355	3,406,240	1,814,813
Butter	9	47	84	80	445	90,447	109,100	1,974,957	24,515	2,229,739	530,267
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	4	19	29	-------	74	40,680	41,532	253,945	4,101	458,833	200,787
Clay products (other than pottery) and nonclay refractories	6	22	202	1,206	150	50,716	225,033	49,753	78,079	502,129	374,297
Concrete products	4	7	26	51	129	12,406	30,300	45,095	2,883	121,877	73,899
Confectionery	7	28	141	-------	213	65,300	127,322	364,301	12,391	754,603	377,911
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	9	23	64	-------	56	57,250	109,399	242,101	1,787	546,722	302,834
Electrical machinery, apparatus, and supplies	3	4	9	-------	27	11,055	11,434	24,023	1,037	58,148	33,088
Flour and other grain-mill products	4	52	168	-------	1,849	125,932	229,140	6,436,230	55,849	7,444,561	952,482
Foundry and machine-shop products, not elsewhere classified	14	64	349	-------	1,350	238,784	488,569	796,966	38,153	1,825,956	990,837
Fur goods	7	10	60	-------	20	19,411	69,132	131,452	1,839	300,650	167,359
Furniture, including store and office fixtures	7	14	60	-------	79	23,655	75,185	182,766	1,831	357,550	172,953
Ice cream	7	9	65	-------	212	20,993	106,754	357,851	15,686	643,625	270,088
Ice, manufactured	4	4	46	-------	980	11,856	56,849	6,226	27,826	193,000	158,948
Lumber and timber products, not elsewhere classified	13	105	1,311	3,563	3,533	285,592	1,637,957	1,933,321	39,168	5,496,889	3,524,400
Marble, granite, slate, and other stone products	4	11	19	-------	174	21,290	27,227	23,479	3,368	85,056	58,209
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	19	99	1,151	1,890	5,905	252,472	1,176,270	5,186,001	87,625	7,615,386	2,341,760
Printing and publishing, book and job	29	53	100	-------	225	111,828	262,371	255,847	10,272	896,058	629,939
Printing and publishing, newspaper and periodical	12	513	241	-------	707	867,077	405,698	550,190	21,965	3,865,615	3,293,460
Wood preserving	3	16	185	125	634	44,655	263,717	2,342,680	18,089	2,968,389	607,620
Other industries	105	443	3,161	1,132	18,904	1,128,118	4,425,986	14,806,220	721,077	24,063,857	8,536,560

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products[a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
SEATTLE											
[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 1, 2, and 4), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	1,219	5,199	23,003	25,271	01,009	$13,591,062	$33,347,697	$105,607,442	$2,905,983	$199,810,372	$91,396,947
Beverages [1]	13	12	31	-------	160	17,844	62,216	104,101	5,097	255,851	146,653
Bookbinding and blank-book making [1]	11	6	34	-------	40	16,186	42,444	37,094	1,581	168,241	129,566
Boots and shoes, other than rubber	6	11	45	-------	54	52,335	55,304	176,863	2,018	338,222	160,341
Boxes, paper, not elsewhere classified	10	47	207	-------	205	138,790	206,549	643,958	7,560	1,179,808	528,290
Bread and other bakery products	137	175	1,187	28	1,694	410,423	1,891,793	4,644,071	179,093	10,234,376	5,410,312
Butter [2]	5	14	27	25	613	34,624	38,902	967,314	8,844	1,082,964	106,806
Canning and preserving: Fish, crabs, shrimp, oysters, and clams [2]	13	21	96	-------	505	60,706	120,772	1,199,898	15,235	1,596,734	381,601
Coffee and spice, roasting and grinding	12	81	154	-------	392	278,036	205,684	3,392,676	20,827	4,031,872	1,518,369
Confectionery [2]	30	110	449	-------	794	226,240	426,868	1,511,002	24,288	3,049,119	1,513,829
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	39	74	375	90	337	258,760	598,066	886,887	9,306	2,177,432	1,281,239
Electrical machinery, apparatus, and supplies	14	82	272	-------	421	206,809	330,103	871,848	14,186	1,703,523	817,489
Engraving, steel and copperplate, and plate printing [2]	4	16	39	-------	31	32,014	64,071	59,683	1,696	191,703	130,324
Feeds, prepared, for animals and fowls [1]	10	52	230	-------	2,078	102,623	288,411	6,560,891	37,696	7,869,689	1,271,102
Flavoring extracts and flavoring sirups	3	8	26	-------	50	18,688	36,323	277,106	953	426,825	148,726
Food preparations, not elsewhere classified	11	29	48	10	169	41,355	51,453	614,667	6,563	730,049	208,919
Foundry and machine-shop products, not elsewhere classified [1]	112	348	1,845	433	8,594	1,081,389	3,088,457	3,992,856	198,908	11,094,680	6,902,916
Fur goods	10	23	125	-------	49	74,621	168,755	305,551	2,761	791,412	483,100
Furniture, including store and office fixtures	38	92	700	-------	2,222	231,891	955,418	1,282,806	28,975	3,034,261	1,722,480
Glass products (except mirrors) made from purchased glass	3	1	12	-------	10	(3)	15,109	24,010	509	62,956	38,437
House-furnishing goods, not elsewhere classified	10	16	55	-------	59	24,846	64,488	179,141	1,428	347,367	166,798
Ice cream [1]	12	21	219	35	942	67,113	362,930	1,096,250	47,748	2,218,317	1,074,319
Ice, manufactured	8	19	70	543	1,629	43,845	114,118	19,414	57,334	456,730	379,982
Jewelry	9	14	54	-------	21	20,872	81,982	114,909	966	310,714	194,839
Lumber and timber products, not elsewhere classified	22	151	2,346	15,907	8,576	453,498	3,355,646	7,556,478	97,660	13,887,420	6,233,282
Marble, granite, slate, and other stone products	4	11	44	-------	437	27,679	74,702	99,724	3,328	249,606	146,554
Millinery	9	39	268	-------	25	91,692	250,834	415,759	3,031	882,802	464,012
Mirror and picture frames	3	2	14	-------	16	(3)	20,416	6,878	554	43,083	35,651
Nonferrous-metal alloys and products, not including aluminum products	16	40	165	-------	769	117,939	265,772	770,169	18,875	1,501,410	712,366
Patent or proprietary medicines and compounds [1]	9	24	26	-------	36	50,196	29,352	122,126	1,215	322,051	198,710
Planing-mill products (including general millwork), not made in planing mills connected with sawmills [4]	35	89	673	280	3,063	297,544	861,595	2,317,819	41,309	4,074,523	1,685,395
Pottery, including porcelain ware [2]	4	3	13	-------	37	4,200	14,157	3,845	1,789	47,180	41,546
Printing and publishing, book and job	99	226	613	-------	1,021	604,143	1,115,369	1,044,162	38,132	4,130,573	3,048,279
Printing and publishing, newspaper and periodical	56	046	686	-------	1,031	2,420,776	1,613,719	2,285,350	41,402	10,497,471	8,170,719
Rubber goods, other than tires, inner tubes, and boots and shoes	4	6	28	-------	166	12,075	28,610	13,889	1,613	103,904	88,402
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	6	8	21	-------	119	24,400	44,965	372,675	3,993	485,260	108,592
Trunks, suitcases, and bags	7	15	90	-------	42	41,017	124,129	166,079	2,687	468,272	289,506
Wall plaster, wall board, insulating board, and floor composition	7	30	108	-------	831	103,156	134,070	374,577	17,733	929,445	537,135
Other industries	438	2,354	11,776	7,920	54,262	5,941,418	16,344,822	61,694,936	1,968,795	108,852,346	45,188,616

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] The items for each of the five industries covered by this footnote include data for 2 establishments located outside the city, to avoid disclosing the figures reported by the establishments in question.

[2] The items for each of the 6 industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.

[3] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[4] The figures for 3 establishments located outside the city have been included in the items for the "Planing-mill products (including general millwork), not made in planing mills connected with sawmills" industry to avoid disclosing the data reported by these establishments.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
SPOKANE											
[The totals for all industries do not include data for a few establishments located outside the city (see footnote 5), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	275	1,427	5,252	2,024	19,252	$3,093,956	$6,636,020	$26,670,858	$636,127	$45,607,723	$18,300,738
Beverages	7	6	29	18	351	13,250	43,905	137,989	6,708	336,381	191,684
Boxes, wooden, except cigar boxes [3]	4	13	114	100	809	44,695	123,506	467,189	12,419	681,917	202,309
Bread and other bakery products [4]	35	70	377	3	583	140,280	526,350	1,517,072	74,355	3,406,240	1,814,813
Butter [5]	9	47	84	80	445	90,447	109,100	1,974,957	24,515	2,529,739	530,267
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	4	19	29	-------	74	40,680	41,532	253,945	4,101	458,833	200,787
Concrete products	4	7	26	51	129	12,406	30,300	45,095	2,883	121,877	73,899
Confectionery	7	28	141	-------	213	65,300	127,322	364,301	12,391	754,603	377,911
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	9	23	64	-------	56	57,250	109,399	242,101	1,787	546,722	302,834
Electrical machinery, apparatus, and supplies	3	4	9	-------	27	11,055	11,434	24,023	1,037	58,148	33,088
Foundry and machine-shop products, not elsewhere classified [6]	14	64	349	-------	1,350	238,784	488,569	796,966	38,153	1,825,956	990,837
Fur goods	7	10	60	-------	20	19,411	69,132	131,452	1,839	300,650	167,359
Furniture, including store and office fixtures	7	14	60	-------	79	23,655	75,185	182,766	1,831	357,550	172,953
Ice cream	7	9	65	-------	212	20,993	106,754	357,851	15,686	643,625	270,088
Lumber and timber products, not elsewhere classified	3	73	704	500	3,533	202,017	734,778	1,450,119	39,168	3,455,327	1,966,040
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	16	89	912	875	3,696	226,196	975,207	2,557,257	62,057	4,178,045	1,558,731
Printing and publishing, book and job	29	53	160	-------	225	111,828	262,371	255,847	10,272	896,058	629,939
Printing and publishing, newspaper and periodical	9	510	236	-------	697	862,909	458,845	543,909	20,938	3,827,290	3,262,443
Other industries	105	389	1,847	497	6,783	914,897	2,359,641	15,456,572	308,057	21,355,713	5,591,084
TACOMA											
[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 6 and 7), and therefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	329	1,589	13,424	26,417	62,873	$4,008,595	$17,839,155	$53,448,453	$1,276,190	$92,774,045	$38,049,402
Beverages [6]	4	11	29	15	115	20,293	45,030	91,173	5,957	222,622	125,492
Bread and other bakery products	41	36	317	-------	601	49,162	425,504	914,164	38,103	1,866,649	914,382
Butter [6]	5	14	23	40	127	20,810	39,369	528,258	4,825	635,898	102,815
Coffee and spice, roasting and grinding	5	11	22	-------	87	37,658	26,628	474,912	3,168	648,502	170,422
Confectionery	6	26	109	-------	211	79,621	98,916	263,656	6,803	651,291	380,832
Feeds, prepared, for animals and fowls [6]	8	35	72	-------	1,697	84,497	106,821	2,641,111	13,545	3,069,695	415,039
Food preparations, not elsewhere classified	3	8	19	-------	47	21,700	21,503	195,503	2,225	273,061	75,333
Foundry and machine-shop products, not elsewhere classified [6]	23	97	432	105	2,176	228,922	731,543	1,093,318	83,499	2,678,029	1,501,212
Furniture, including store and office fixtures [6]	16	73	806	520	2,053	195,979	816,783	1,358,772	23,465	3,069,454	1,687,217
Ice cream [7]	6	8	39	-------	343	18,036	61,865	192,528	8,664	491,201	290,009
Lumber and timber products, not elsewhere classified	29	333	5,549	22,210	21,662	1,127,206	7,132,081	9,815,889	350,291	25,186,405	5,020,225
Marble, granite, slate, and other stone products	4	7	103	-------	1,470	27,478	161,849	132,176	9,434	352,558	210,948
Nonferrous-metal alloys and products, not including aluminum products	3	3	8	-------	22	6,282	17,619	48,482	1,167	81,375	31,726
Planing-mill products (including general millwork), not made in planing mills connected with sawmills [7]	27	124	966	925	7,088	305,982	1,291,445	3,234,513	72,934	5,772,524	2,465,077
Printing and publishing, book and job [6]	25	55	120	-------	218	120,843	180,773	212,682	8,284	697,969	477,003
Other industries	134	759	4,865	2,602	25,485	1,692,526	6,781,815	32,604,549	651,220	47,680,005	14,424,236

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] The items for each of the four industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.

[6] The items for each of the six industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.

[7] The items for each of the two industries covered by this footnote include data for 2 establishments located outside the city, to avoid disclosing the figures reported by the establishments in question.

WEST VIRGINIA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[4]
			Total	Prime movers	Electric motors driven by purchased energy		Total[3]	Materials and containers[3]	Fuel and purchased energy		
1929	1,488	85,326	650,199	379,226	270,973	$115,294,705	$261,397,786	$232,984,404	$28,413,382	$513,012,300	$251,614,514
1927	1,313	77,630	546,440	364,667	181,773	103,431,224	252,884,424	225,043,623	27,840,801	455,216,551	202,332,127
1925	1,395	80,700	495,051	342,159	152,892	105,892,102	260,880,407	(5)	(5)	470,821,582	209,941,175
1923	1,487	85,661	371,699	257,996	113,703	109,936,819	259,151,186	(5)	(5)	479,510,169	220,358,983
1921	1,550	60,536	(6)	(6)	(6)	78,549,260	170,876,327	(6)	(5)	310,422,830	139,546,503
1919	2,785	83,036	328,455	265,538	62,917	101,840,420	270,940,596	250,192,627	20,747,969	471,970,877	201,030,281
1914	2,749	71,078	278,219	251,067	27,152	43,784,006	110,033,165	102,827,781	7,205,384	193,511,782	83,478,617
1909	2,586	63,893	217,243	211,913	5,330	33,000,355	92,877,988	84,084,652	8,793,336	161,949,526	69,071,538
1904	2,109	43,758	138,484	137,708	776	21,153,042	54,419,206	51,650,617	2,768,589	99,040,676	44,621,470
1899	1,824	33,080	91,596	91,569	27	12,639,856	37,228,253	(7)	(7)	67,006,822	29,778,569
	PER CENT OF INCREASE OR DECREASE (−)										
1927–1929	13.3	9.9	19.0	4.0	49.1	11.5	3.4	3.5	2.1	12.7	24.4
1925–1927	−5.9	−3.8	10.4	6.6	18.9	−2.3	−3.1			−3.3	−3.6
1923–1925	−6.2	−5.8	33.2	32.6	34.5	−3.7	0.7			−1.8	−4.7
1921–1923	−4.1	41.5				40.0	51.7			54.5	57.9
1919–1921	−44.3	−27.1				−22.9	−36.9			−34.2	−30.6
1919–1929	−46.6	2.8	98.0	42.8	330.7	13.2	−3.5	−6.9	36.9	8.7	25.2
1914–1919	7.7	30.0	51.2	25.3	1,080.4	208.6	191.7	197.5	136.0	191.4	191.0
1899–1909	41.8	93.1	137.2	131.4	(8)	161.1	149.5			141.7	132.0

[1] Not including salaried employees.

[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[3] Includes cost of foundry supplies for 1927 and earlier years but not for 1929. See GENERAL EXPLANATIONS—Comparableness with Preceding Years—Schedule Changes—Mill or Shop Supplies.

[4] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[5] Not reported separately.

[6] Not called for on schedule.

[7] No comparable data.

[8] Per cent not computed where base is less than 100.

TABLE 2.—SUMMARY FOR THE WHEELING INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	1,729,205	1,488	85,336	650,199	$115,294,705	$261,397,786	$232,984,404	$28,413,382	$513,012,300	$251,614,514
Wheeling Industrial Area [3]	394,761	357	45,906	446,601	70,728,992	179,366,489	158,883,221	20,483,268	319,433,328	140,066,839
Portion in West Virginia	125,251	156	22,417	176,689	35,457,516	87,429,771	76,914,247	10,515,524	160,659,623	73,229,852
Portion in Ohio	269,510	351	23,489	269,912	35,271,476	91,936,718	81,968,974	9,967,744	158,773,705	66,836,987
Counties in West Virginia [4]										
Barbour	18,628	19	102	580	84,721	209,791	205,798	3,993	443,808	234,017
Berkeley	28,030	46	3,740	12,641	3,307,055	7,526,988	6,807,692	719,296	14,317,154	6,790,166
Boone	24,585	5	302	1,115	355,214	920,954	292,395	8,559	990,206	733,252
Braxton	22,570	12	342	1,022	447,952	392,698	351,449	41,249	1,123,577	730,879
Brooke	24,663	23	3,389	27,615	5,470,114	13,080,114	9,902,142	3,187,972	24,183,793	11,083,679
Cabell	90,786	100	8,479	47,079	11,200,549	26,708,415	25,097,766	1,610,649	53,768,167	27,059,752
Clay	13,125	14	179	798	246,916	92,916	89,691	3,225	492,080	399,164
Doddridge	10,488	5	21	69	22,784	32,565	32,330	235	78,046	45,481
Fayette	72,050	31	1,006	11,228	1,183,417	2,081,009	1,119,044	961,965	4,574,131	2,493,122
Gilmer	10,641	7	73	314	90,444	24,680	17,615	7,065	143,386	118,706
Greenbrier	35,578	20	638	2,766	899,295	619,340	590,021	29,319	2,894,185	2,274,845
Hancock	28,511	45	11,264	116,130	19,539,051	39,990,137	33,811,707	6,178,430	75,219,211	35,229,074
Hardy	9,816	16	187	953	179,398	628,536	619,539	8,997	1,050,591	422,055
Harrison	78,567	74	4,299	17,213	5,549,827	11,791,946	10,414,123	1,377,823	23,446,045	11,654,099
Jackson	16,124	12	84	543	67,170	117,515	111,309	6,206	260,743	143,228
Jefferson	15,780	28	553	8,017	548,023	1,730,087	1,364,997	365,090	3,093,155	1,363,068
Kanawha	137,667	133	7,944	142,609	10,543,039	31,233,095	26,333,569	4,897,527	59,997,624	28,764,528
Lewis	21,794	33	929	1,898	1,245,012	1,225,983	1,053,451	172,532	3,235,560	2,009,577
Lincoln	19,156	6	20	82	15,096	6,162	5,850	312	36,050	29,888
Logan	58,534	19	599	1,850	860,026	393,115	347,552	47,563	2,035,590	1,440,475
McDowell	80,479	30	554	3,880	769,858	985,749	773,093	215,656	2,691,111	1,702,362
Marion	66,655	45	2,557	17,108	3,314,294	7,117,504	5,210,749	1,906,755	16,193,495	9,075,991
Marshall	39,851	49	3,920	17,731	5,738,546	16,064,729	14,584,682	1,480,038	28,671,133	12,606,413
Mason	20,788	19	557	2,411	501,435	958,647	868,150	90,497	2,037,492	1,078,755
Mercer	61,323	35	2,344	75,480	3,060,893	3,638,353	3,270,094	368,259	8,359,800	4,721,447
Mingo	58,319	23	929	3,145	1,278,379	887,864	813,608	74,256	2,884,076	1,996,212
Monongalia	50,083	42	1,733	7,441	2,543,374	3,430,490	3,039,471	411,019	8,038,792	4,588,302
Monroe	11,942	18	30	1,048	32,129	133,197	115,100	18,097	249,096	115,899
Morgan	8,409	14	328	726	226,243	1,638,489	1,615,340	23,149	2,179,612	541,123
Nicholas	20,686	16	1,795	11,156	2,112,973	5,117,696	4,880,193	237,502	10,598,688	5,480,993
Ohio	72,077	125	7,764	32,941	10,428,351	34,349,520	33,200,395	1,149,122	61,256,619	26,907,099
Pendleton	9,690	11	57	238	45,767	44,901	44,656	245	137,522	92,621
Pocahontas	14,535	17	1,036	4,043	1,211,384	4,310,740	4,262,354	48,386	6,640,034	2,329,294
Preston	23,043	33	808	7,844	916,992	648,212	419,014	229,198	2,416,726	1,768,514
Raleigh	68,072	30	949	3,213	1,217,789	869,267	802,551	56,716	3,079,447	2,210,180
Randolph	25,049	32	1,374	4,545	1,520,203	3,171,797	3,117,909	53,888	5,854,517	2,682,720
Ritchie	13,594	14	89	417	57,694	39,704	35,940	3,764	196,150	156,446
Roane	19,478	5	29	217	36,557	112,814	109,549	3,265	251,555	138,741
Taylor	19,114	15	941	3,271	1,342,660	1,997,637	1,776,202	221,435	4,382,884	2,385,247
Tyler	12,735	16	291	1,028	361,948	475,209	376,048	99,152	1,288,095	812,895
Upshur	17,944	12	366	1,011	420,183	662,247	628,709	33,538	1,365,132	702,885
Wayne	31,206	26	799	6,290	983,388	2,862,563	2,479,737	382,826	5,374,856	2,712,323
Webster	14,214	9	737	2,367	686,650	408,832	399,901	8,931	2,162,033	1,783,451
Wetzel	22,334	28	919	2,627	945,156	1,091,332	851,822	239,510	2,875,196	1,783,864
Wood	56,521	75	6,408	29,782	7,733,668	16,738,638	15,787,774	950,864	38,971,092	22,232,454
Wyoming	20,926	14	636	3,050	890,102	633,924	606,742	27,182	2,088,351	1,454,427
All other counties [5]	114,709	103	3,209	12,626	4,293,332	14,616,983	14,164,578	452,405	21,207,784	6,590,801
Cities having 10,000 inhabitants or more [6]										
Bluefield, W. Va. and Va., total	23,245	25	1,506	6,230	1,942,590	2,323,479	2,210,731	112,748	5,450,155	3,126,676
Bluefield, W. Va.	19,330	19	1,452	6,159	1,920,536	2,257,682	2,146,900	110,782	5,323,981	3,066,299
Bluefield, Va.	3,915	6	54	71	21,754	65,797	63,831	1,966	126,174	60,377
Charleston	60,408	88	2,353	11,339	2,977,542	7,336,271	6,824,001	512,270	16,263,409	8,927,138
Clarksburg	28,866	49	2,983	12,893	3,956,705	7,342,481	6,595,270	747,211	16,194,843	8,852,362
Fairmont	23,139	31	2,152	13,029	2,999,633	5,865,326	4,674,418	890,908	12,821,423	7,256,097
Martinsburg	14,557	27	3,080	4,299	2,709,894	5,843,962	5,643,689	200,273	10,584,730	4,740,768
Morgantown	16,180	31	954	2,808	1,288,199	1,029,195	788,708	240,487	3,458,060	2,428,865
Moundsville	14,411	21	1,461	3,433	1,957,879	4,299,420	3,957,082	342,338	8,975,264	4,675,844
Parkersburg	29,623	55	1,881	9,197	2,613,420	9,773,133	9,461,554	316,579	16,366,160	6,588,027
Wheeling	61,659	132	7,748	32,505	10,407,173	34,245,648	33,104,009	1,141,639	61,095,190	26,850,542

[1] Not including salaried employees.

[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

[3] The Wheeling Industrial Area comprises Brooke, Hancock, and 1 Ohio Counties, W. Va., and Belmont, Columbiana, and Jefferson Counties, Ohio.

[4] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.

[5] Calhoun, Grant, Hampshire, Mineral, Pleasants, Putnam, Summers, and Tucker Counties. See footnote 4. No manufacturing was reported from Wirt County. It is necessary to withhold the figures for this city from publication to avoid disclosing an approximation of the data for an individual establishment. [6] Not including Huntington, which reported more than 10,000 inhabitants at the census of 1930.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	94,359	81,208	13,151	794	768	26	[2] 887	[2] 844	43	[2] 7,352	[2] 5,950	[2] 1,402	85,326	[3] 73,646	[3] 11,680
1919 [1, 4]	93,688	83,795	9,893	2,524	2,433	91	997	975	22	7,131	5,703	1,428	83,036	74,684	8,352
1914 [4]	79,353	72,711	6,642	2,559	2,485	74	652	639	13	5,064	4,388	676	71,078	65,199	5,879
1909	71,463	66,121	5,342	2,599	2,527	72	568	562	6	4,403	3,839	564	63,893	59,193	4,700

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 128, male. Other salaried officers and employees—total, 1,541; male, 1,044; female, 497. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	85,326	83,313	84,539	85,721	86,202	86,143	**86,861**	85,593	86,774	86,694	86,323	84,023	*81,726*	94.1
1919 [1]	83,036	80,721	81,101	81,170	80,719	*79,617*	79,901	81,129	*81,105*	89,041	84,209	84,362	87,357	89.4
1914 [1]	71,078	71,642	71,608	74,664	**76,877**	76,205	73,332	69,880	71,044	71,664	69,773	63,875	*62,572*	81.6
1909 [1]	63,893	*56,191*	57,393	60,499	62,456	62,655	65,467	62,187	65,651	68,299	**69,202**	68,647	68,056	81.2

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	1,488	85,326	45 and over but under 48	38	2,896
			48	317	22,547
Not reported	271	933	Over 48 but under 54	143	10,734
Under 40	28	237	54	150	4,243
40	18	888	Over 54 but under 60	150	22,982
Over 40 but under 44	7	498	60 and over	278	15,278
44 and over but under 45	88	4,090			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1,488	2,785	2,586	85,326	83,036	63,893	51 to 100	88	109	114	6,573	8,141	8,140
							101 to 250	108	121	93	17,924	19,222	14,894
No wage earners	32	392	200				251 to 500	46	43	32	15,175	14,743	11,298
1 to 5	695	1,425	1,417	2,105	3,065	3,266	501 to 1,000	22	21	16	14,531	13,999	11,095
6 to 20	307	484	503	3,387	5,377	5,460	1,001 to 2,500	8	8	2	[1] 19,665	12,461	2,698
21 to 50	181	182	209	5,966	6,028	7,043	2,501 and over	1					

[1] Combined to avoid disclosing number of wage earners reported for an individual establishment.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1,488	2,785	2,586	85,326	83,036	63,893	$513,012,300	$471,970,877	$161,949,526	$251,614,514	$201,030,281	$69,071,538
Less than $5,000	(2)	755	1,082	(3)	569	1,988	(2)	1,815,928	2,548,624	(2)	1,178,507	1,734,907
$5,000 to $19,999	596	869	739	1,810	2,449	4,240	6,254,641	9,372,762	7,566,470	3,930,326	5,117,787	4,352,873
$20,000 to $99,999	418	649	462	4,401	6,850	10,384	19,385,704	28,916,989	21,017,729	11,667,879	13,812,499	10,417,819
$20,000 to $49,999	256	(3)	(3)	1,860	(3)	(3)	7,929,099	(3)	(3)	4,759,173	(3)	(3)
$50,000 to $99,999	162	(3)	(3)	2,541	(3)	(3)	11,456,605	(3)	(3)	6,908,704	(3)	(3)
$100,000 to $499,999	290	340	250	15,233	20,239	32,553	67,378,800	81,611,784	68,334,808	39,054,814	43,908,546	33,764,126
$100,000 to $249,999	182	(3)		6,796	(3)		29,236,228	(3)		16,742,910	(3)	
$250,000 to $499,999	108	(3)		8,437	(3)		38,142,572	(3)		22,311,904	(3)	
$500,000 to $999,999	85	78		13,526	11,440		59,215,066	54,130,850		32,808,961	27,409,742	
$1,000,000 and over	99	94	33	50,356	41,489	14,728	360,778,089	296,122,564	62,481,895	164,152,534	109,603,200	18,801,813
$1,000,000 to $2,499,999	52	(3)	(3)	14,396	(3)	(3)	88,249,016	(3)	(3)	39,295,619	(3)	(3)
$2,500,000 to $4,999,999	32	(3)	(3)	14,423	(3)	(3)	106,272,634	(3)	(3)	44,074,130	(3)	(3)
$5,000,000 and over	15	(3)	(3)	21,537	(3)	(3)	166,256,439	(3)	(3)	80,782,785	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1,488	2,785	85,326	83,036	$513,012,300	$471,970,877	$251,614,514	$201,030,281
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	819	1,021	80,489	75,883	493,097,110	428,213,176	240,059,708	184,062,230
Other forms of ownership or control (individual partnership, etc.)	669	1,764	4,837	7,153	19,915,190	43,757,701	11,554,806	16,968,051
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	335	(1)	56,544	(1)	357,793,134	(1)	168,374,346	(1)
Independent (single-unit)	1,153	(1)	28,782	(1)	155,219,166	(1)	83,240,168	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR THE WHEELING INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Total horsepower of prime movers	Prime movers								Electric motors driven by purchased energy			
			Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	650,199	379,226	830	118,864	242	224,769	195	26,851	26	8,742	17,247	270,973	9,818	249,726
1927	546,440	364,667	663	136,140	105	188,502	279	31,279	42	8,746	13,438	181,773	8,052	200,374
1925	495,051	342,159	901	188,766	66	112,924	324	32,174	38	8,295	11,401	152,892	6,461	158,339
1919 [1]	328,455	265,538	1,808	172,113	70	45,042	779	38,972	348	9,411	5,140	62,917	5,106	92,307
1914 [1]	278,219	251,067	[2] 2,369	[3] 216,976	(3)	(3)	779	28,537	146	5,554	2,044	27,152	2,634	39,524
Wheeling Industrial Area, total	446,601	265,963	312	162,231	52	96,690	71	7,044	------	------	9,927	180,636	6,408	231,005
Portion in West Virginia (Brooke, Hancock, and Ohio Counties)	176,689	125,068	76	41,851	24	79,920	32	3,297	------	------	4,107	51,621	3,551	152,026
Portion in Ohio (Belmont, Columbiana, and Jefferson Counties)	269,912	140,897	236	120,380	28	16,770	39	3,747	------	------	5,820	129,015	2,857	78,979
Counties in West Virginia in which aggregate horsepower exceeded 25,000: 1929														
Brooke	27,618	3,595	7	[4] 2,615	1	(4)	5	980	------	------	890	24,023	65	429
Cabell	47,079	8,078	20	4,173	3	2,000	11	1,905	------	------	2,640	39,001	897	15,778
Hancock	116,130	109,330	37	29,883	15	79,265	3	182	------	------	1,281	6,800	2,697	145,578
Kanawha	142,609	65,945	57	6,225	166	50,707	30	9,013	------	------	1,666	76,664	1,847	32,589
Mercer	75,480	65,085	10	1,640	7	63,445	------	------	------	------	468	10,395	59	1,135
Ohio	32,941	12,143	32	9,368	8	640	24	2,135	------	------	1,936	20,798	789	6,019
Wood	29,782	16,411	22	4,716	3	10,765	8	930	------	------	1,425	13,371	792	7,885

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for steam turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 4 on that table]

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]		PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors			Aggregate	Prime movers	Electric motors	
The State	650,199	379,226	270,973	249,726	Mason	2,411	1,502	909	263
					Mercer	75,480	65,085	10,395	1,135
Barbour	580	463	117	100	Mingo	3,146	1,165	1,981	----
Berkeley	12,641	1,115	11,526	576	Monongalia	7,441	4,429	3,012	1,718
Boone	1,115	1,095	20	----	Monroe	1,048	420	628	----
Braxton	1,032	979	53	646					
Brooke	27,618	3,595	24,023	429	Morgan	726	628	98	22
					Nicholas	11,156	11,125	31	5,188
Cabell	47,079	8,078	39,001	15,778	Ohio	32,941	12,143	20,798	6,019
Clay	798	796	2	----	Pendleton	235	231	4	----
Doddridge	69	65	4	----	Pocahontas	4,043	4,023	20	1,824
Fayette	11,228	8,306	2,922	610					
Gilmer	314	168	146	----	Preston	7,844	7,692	152	3,437
					Raleigh	3,213	2,314	899	175
Greenbrier	2,766	1,943	823	1,334	Randolph	4,545	3,473	1,072	400
Hancock	116,130	109,330	6,800	145,578	Ritchie	417	372	45	[2]
Hardy	953	920	33	165	Roane	217	168	49	5
Harrison	17,213	11,507	5,706	8,078					
Jackson	543	441	102	----	Taylor	3,271	2,815	456	1,769
					Tyler	1,028	391	637	----
Jefferson	8,017	3,455	4,562	694	Upshur	1,011	874	137	413
Kanawha	142,609	65,945	76,664	32,589	Wayne	6,290	780	5,510	----
Lewis	1,898	860	1,038	98	Webster	2,367	2,367	----	----
Lincoln	82	70	12	----					
					Wetzel	2,627	916	1,711	270
Logan	1,880	561	1,319	----	Wood	29,782	16,411	13,371	7,885
McDowell	3,880	505	3,375	----	Wyoming	3,050	1,032	2,018	----
Marion	17,108	4,704	12,404	3,665	All other counties [3]	12,626	8,757	3,869	[2] 4,754
Marshall	17,731	5,212	12,519	4,109					

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Item for Ritchie County included with that for "All other counties" to avoid disclosing data for an individual establishment.
[3] Calhoun, Grant, Hampshire, Mineral, Pleasants, Putnam, Summers, and Tucker Counties. No manufacturing was reported from Wirt County.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs)	5,841,066	$12,800,505	5,956,798	5,552,313	4,082,175	3,634,965	7,282,455
Anthracite (tons, 2,240 lbs.)	32,096	128,430	[3]	60,344	66,558	63,006	6,589
Bituminous (tons, 2,000 lbs)	5,805,118	12,672,075	[3]	5,484,728	4,007,630	3,564,398	7,275,075
Coke (tons, 2,000 lbs.)	742,217	1,884,693	[4]	[4]	341,030	208,374	325,738
Fuel oils, including crude oils and gas oils (gallons) [5]	10,058,549	297,823	[4]	[4]	1,455,090	765,282	1,218,420
Gasoline and kerosene (gallons) [5]	301,716	60,917	[4]	[4]	236,452		
Gas, natural (M cu. ft.)	25,474,798	6,744,957	[4]	[4]	48,247,748	51,808,850	30,894,329
Gas, manufactured (M cu. ft.)	14,323,404	1,553,067	[4]	[4]			
Other fuels	----	569,185	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	575,932,120	5,463,684	[6]	[4]	[4]	[4]	[4]
		Cost	*Cost*	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy	----	[7] 29,374,831	$27,840,801	[8]	$20,747,909	$7,205,384	$8,793,336

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
All industries, total	1,488	[3] 8,239	85,326	379,226	270,973	[3] $20,996,351	$115,294,705	$232,984,404	$28,413,382	$513,012,300	$251,614,514
Awnings, tents, sails, and canvas covers	5	13	24	-------	22	25,236	26,933	61,261	1,012	162,877	100,604
Beverages	83	90	330	118	1,506	186,590	385,426	1,032,792	44,658	2,751,518	1,674,068
Boxes, paper, not elsewhere classified	7	47	365	-------	887	112,074	368,068	2,131,277	25,652	3,320,637	1,143,708
Boxes, wooden, except cigar boxes	8	27	170	180	1,408	59,745	171,275	414,343	20,349	761,268	326,576
Bread and other bakery products	124	164	1,449	176	3,288	464,314	1,997,549	5,257,581	204,511	11,005,655	5,543,563
Butter	5	4	6	5	77	6,140	7,160	146,352	2,249	183,575	34,974
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	11	9	207	395	94	14,896	122,157	631,394	13,507	867,599	222,698
Car and general construction and repairs, electric-railroad repair shops	7	20	155	-------	440	42,410	238,159	108,837	1,335	390,741	280,569
Car and general construction and repairs, steam-railroad repair shops	46	703	9,935	69,471	24,085	1,891,252	15,531,025	15,267,237	828,950	33,518,553	17,422,366
Caskets, coffins, burial cases, and other morticians' goods	3	14	56	70	43	24,600	64,077	169,003	2,743	338,628	166,882
Chemicals, not elsewhere classified	14	490	1,968	50,715	70,214	1,254,171	2,947,589	8,577,521	2,615,013	22,858,635	11,366,101
Clay products (other than pottery) and nonclay refractories	23	146	1,693	4,050	5,719	467,355	1,840,759	529,396	899,629	5,269,288	3,840,263
Clothing, women's, not elsewhere classified	6	24	703	-------	148	49,593	493,980	1,211,540	10,188	2,361,038	1,139,310
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	5	22	464	-------	133	45,535	228,643	990,069	5,399	1,432,506	437,038
Coffee and spice, roasting and grinding	5	14	37	-------	70	41,101	35,624	700,158	3,608	1,001,798	298,032
Coke, not including gas-house coke	16	92	899	6,337	10,388	186,411	1,497,149	745,657	6,122,868	9,952,334	3,083,809
Compressed and liquefied gases	6	34	58	93	355	58,610	83,841	271,663	32,217	825,949	522,069
Concrete products	25	28	122	118	722	56,529	142,150	212,964	10,542	589,471	365,965
Confectionery	7	5	38	10	82	6,454	30,010	105,824	2,176	192,809	84,809
Cooperage	29	10	96	-------	33	17,365	132,391	488,022	830	752,877	264,025
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	11	118	1,140	550	3,024	261,711	1,447,927	3,558,741	54,836	5,598,350	1,984,773
Electrical machinery, apparatus, and supplies	8	112	482	1,770	968	297,914	576,900	1,751,049	144,872	3,423,821	1,527,900
Explosives	5	8	61	817	-------	18,936	76,311	186,078	8,324	634,066	439,664
Feeds, prepared, for animals and fowls	5	13	24	65	299	22,876	28,444	308,801	4,241	409,974	96,932
Flour and other grain-mill products	66	105	237	2,081	2,583	213,350	275,237	3,779,462	54,508	5,094,029	1,260,059
Foundry and machine-shop products, not elsewhere classified	66	298	1,747	1,160	8,539	946,685	2,377,351	4,827,650	194,473	9,930,173	4,908,050
Furniture, including store and office fixtures	11	82	826	846	2,102	236,843	849,183	1,561,401	41,104	3,258,797	1,656,292
Glass	48	770	11,123	17,945	14,007	1,965,577	14,468,102	12,305,850	4,717,796	48,384,942	31,361,296
Glass products (except mirrors) made from purchased glass	5	8	122	-------	49	19,160	107,410	292,606	4,311	518,198	221,281
Ice cream	38	122	310	617	3,151	251,891	448,138	1,476,594	118,072	3,460,023	1,865,357
Ice, manufactured	59	109	408	5,609	6,365	227,651	539,172	112,035	319,288	1,995,884	1,564,561
Iron and steel: Steel works and rolling mills	16	855	12,936	[4] 123,575	[4] 38,255	2,255,287	23,773,982	46,068,956	4,422,778	93,864,519	43,377,785
Leather: Tanned, curried, and finished	9	44	1,107	5,623	501	131,659	1,131,695	11,445,558	167,843	14,354,329	2,740,928
Lime	8	29	352	20	7,752	67,499	488,022	619,001	509,585	2,303,878	1,173,292
Lumber and timber products, not elsewhere classified	245	388	7,955	24,519	868	999,432	9,126,999	4,978,174	114,170	23,325,903	18,233,559
Marble, granite, slate, and other stone products	6	12	28	46	264	32,521	33,698	54,800	3,803	191,925	133,322
Mattresses and bed springs, not elsewhere classified	4	10	42	-------	207	27,550	55,014	186,360	4,691	360,260	169,209
Paints and varnishes	6	50	232	150	2,374	235,369	297,512	2,629,810	100,779	3,726,014	995,425
Paper	6	71	732	[5] 13,340	[5] 2,099	233,600	910,718	4,010,305	255,210	6,826,291	2,560,776
Patent or proprietary medicines and compounds	6	18	17	-------	32	26,195	17,226	89,561	463	244,079	154,055
Petroleum refining	5	96	581	1,416	2,207	268,952	772,010	14,316,123	434,697	17,268,590	2,517,770
Photo-engraving, not done in printing establishments	3	3	12	-------	9	10,192	20,927	7,337	936	50,212	41,939
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	49	126	686	4,132	3,717	357,168	780,986	2,602,970	76,227	4,509,286	1,830,089
Pottery, including porcelain ware	22	265	5,683	2,817	5,426	841,266	7,135,282	3,103,029	1,068,558	15,707,704	11,536,117
Printing and publishing, book and job	64	101	370	-------	584	257,515	602,191	464,240	19,239	1,822,922	1,339,443
Printing and publishing, newspaper and periodical	113	806	975	273	1,615	1,385,909	1,575,959	1,154,897	72,443	6,943,987	5,716,647
Salt	4	15	105	615	-------	28,232	105,138	60,449	109,378	347,638	177,831
Signs and advertising novelties	7	8	41	-------	35	24,240	58,909	70,060	5,664	259,972	184,248
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	5	93	1,346	500	3,487	236,398	1,489,150	3,736,054	136,092	6,985,289	3,113,143
Stoves and ranges (other than electric) and warm-air furnaces	4	15	129	60	146	53,931	145,523	162,069	7,408	443,007	273,530
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	8	106	267	-------	2,136	276,880	350,673	1,582,501	14,813	3,610,044	2,012,730
Woolen goods	7	56	779	1,115	459	191,417	790,260	1,718,884	54,489	3,501,822	1,728,449
Other industries	134	1,371	15,666	35,827	37,799	3,582,104	18,093,691	64,390,108	4,324,855	125,113,596	56,398,633

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 1,669 employees of central administrative offices, with salaries aggregating $4,858,230. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Includes item for the "Iron and steel: Blast furnaces" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

[5] Includes item for the "Pulp (wood and other fiber)" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

TABLE 13.—GENERAL STATISTICS BY INDUSTRIES FOR THE WHEELING INDUSTRIAL AREA AND GENERAL STATISTICS COMBINED FOR ALL INDUSTRIES FOR IMPORTANT COUNTIES: 1929

[This table presents, for the Wheeling Industrial Area (See GENERAL EXPLANATIONS—Industrial Area), separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. Brooke, Cabell, Hancock, and Ohio Counties are also industrially important, and it had been planned to publish statistics by industries for them. It is found, however, that no figures can be given for the leading industries in these counties without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total numbers of wage earners employed in all industries in the respective counties. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
WHEELING INDUSTRIAL AREA											
[This area comprises Brooke, Hancock, and Ohio Counties, W. Va., and Belmont, Columbiana, and Jefferson Counties, Ohio]											
All industries, total	537	4,480	45,906	265,965	180,636	$11,596,284	$70,728,962	$158,883,221	$20,483,268	$319,433,328	$140,066,839
Beverages	19	24	92		355	41,564	118,373	273,950	23,761	651,136	353,425
Boxes, paper, not elsewhere classified	3	10	66		148	19,464	65,307	333,440	4,481	553,218	215,297
Boxes, wooden, except cigar boxes	4	12	68	360	420	24,580	67,391	271,527	8,280	432,059	152,252
Bread and other bakery products	69	38	539	112	1,217	70,522	707,197	2,015,030	90,454	4,092,749	1,987,265
Butter	6	1	5	44	12	(1)	7,500	134,423	1,777	170,471	34,271
Chemicals, not elsewhere classified	4	15	68	100	660	35,087	107,182	1,603,303	58,768	2,835,186	1,173,115
Clay products (other than pottery) and nonclay refractories	29	217	2,789	6,473	6,500	657,885	3,529,344	852,765	1,240,832	8,558,205	6,464,608
Concrete products	6	2	13	15	38	(1)	16,507	24,225	623	58,246	33,398
Confectionery	4	3	34	10	50	6,560	28,136	90,543	2,174	164,254	71,537
Cooperage	11	8	49		15	9,405	83,865	247,486	545	412,252	164,221
Flour and other grain-mill products	8	10	23	320	363	16,600	30,038	271,530	8,839	376,172	95,803
Foundry and machine-shop products, not elsewhere classified	32	246	1,451	1,425	6,690	647,825	2,192,214	2,993,672	179,385	8,008,280	4,835,223
Furniture, including store and office fixtures	8	29	259	65	363	88,833	318,811	724,205	10,176	1,430,809	696,428
Glass	7	81	1,193	1,444	871	221,456	1,476,320	473,973	326,254	3,290,896	2,490,669
Glass products (except mirrors) made from purchased glass	3	12	121		25	27,396	123,289	282,410	5,805	554,169	265,954
Ice cream	18	44	113	290	1,235	85,846	172,411	576,975	44,066	1,237,372	616,331
Ice, manufactured	19	27	104	1,025	2,328	62,728	163,146	42,495	116,512	619,271	460,264
Iron and steel: Blast furnaces	6	93	758	235,151	112,055	240,482	1,375,959	15,871,650	4,935,950	24,383,635	3,576,035
Iron and steel: Steel works and rolling mills	18	1,314	18,032			3,486,152	33,679,249	73,676,806	6,335,058	140,357,807	60,345,943
Lumber and timber products, not elsewhere classified	7	4	44	270	155	5,500	46,160	35,550	2,950	135,675	97,175
Nonferrous-metal alloys and products, not including aluminum products	5	39	187	1,380	687	141,576	281,337	1,844,768	51,803	2,740,771	844,200
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	10	35	117		1,018	72,050	144,199	253,866	12,975	562,876	296,035
Pottery, including porcelain ware	39	401	8,096	3,923	9,963	1,344,075	10,122,253	4,740,235	1,564,388	22,612,309	16,307,686
Printing and publishing, book and job	25	40	163		277	85,089	231,811	200,640	9,759	814,084	603,685
Printing and publishing, newspaper and periodical	29	385	367	149	632	491,555	581,606	477,198	32,658	2,795,888	2,286,032
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	5	98	962		3,318	175,754	1,197,171	3,231,680	82,813	6,114,529	2,800,036
Stoves and ranges (other than electric) and warm-air furnaces	5	37	302	100	475	86,123	418,787	647,250	22,713	1,527,809	857,846
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	4	95	257		1,877	231,550	348,292	1,644,018	17,955	3,768,861	2,106,888
Tools, not including edge tools, machine tools, files, or saws	3	15	89	50	310	34,452	109,201	171,189	20,149	443,184	251,846
Other industries	131	1,145	9,545	13,259	28,549	3,186,175	12,988,906	44,876,419	5,271,365	79,731,155	29,583,371
BROOKE COUNTY											
[The most important industry in this county in 1929 was "Iron and steel: Steel works and rolling mills." (See headnote)]											
All industries, total	23	361	3,389	3,595	24,023	$997,659	$5,470,114	$9,902,142	$3,187,972	$24,183,793	$11,093,679
CABELL COUNTY											
[The most important industries in this county in 1929 were "Car and general construction and repairs, steam-railroad repair shops," as measured by number of wage earners, and "Nonferrous-metal alloys and products," as measured by value of products. (See headnote)]											
All industries, total	100	887	8,479	8,078	39,001	$2,271,345	$11,200,846	$25,097,766	$1,610,649	$53,768,167	$27,059,752
HANCOCK COUNTY											
[The most important industry in this county in 1929 was "Iron and steel: Steel works and rolling mills." (See headnote)]											
All industries, total	45	535	11,264	109,330	6,800	$1,571,788	$19,559,051	$33,811,707	$6,178,430	$75,219,211	$35,229,074
OHIO COUNTY											
[The most important industries in this county in 1929 were "Iron and steel: Steel works and rolling mills," as measured by number of wage earners, and "Meat packing, wholesale," as measured by value of products. (See headnote)]											
All industries, total	118	1,137	7,764	12,143	20,798	$2,769,428	$10,428,351	$33,200,398	$1,149,122	$61,256,619	$26,907,099

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[1] Withheld to avoid disclosing compensation of individual officers or employees; included in items for "Other industries."

WISCONSIN

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)[1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products[2]	Value added by manufacture[3]
			Total	Prime movers	Electric motors driven by purchased energy		Total[2]	Materials and containers	Fuel and purchased energy		
1929	7,431	264,745	1,239,394	618,932	620,462	$352,490,893	$1,206,840,087	$1,161,664,893	$45,175,194	$2,156,681,769	$949,841,682
1927	7,473	247,722	1,048,228	598,311	449,917	322,697,105	1,153,327,898	1,110,321,838	43,006,060	1,973,653,261	820,325,363
1925	7,262	247,341	1,069,015	630,203	378,812	314,883,011	1,084,747,480	(4)	(4)	1,859,243,930	774,496,450
1923	7,832	247,851	929,889	602,837	327,052	297,160,064	1,001,501,870	(4)	(4)	1,720,198,349	718,696,479
1921	7,291	191,770	(5)	(5)	(5)	214,140,684	727,940,842	(4)	(4)	1,214,860,521	486,919,679
1919	10,393	263,949	874,320	664,850	209,470	290,440,561	1,127,274,961	1,084,868,069	42,406,892	1,846,984,307	719,709,346
1914	9,104	194,310	676,848	596,864	79,984	112,193,163	417,415,074	401,237,307	16,177,767	695,172,002	277,756,928
1909	9,721	182,583	552,890	527,431	25,459	93,904,808	346,356,583	333,268,904	13,147,679	590,305,538	243,948,955
1904	8,558	151,391	438,368	429,810	8,558	71,471,805	227,255,092	219,152,120	8,102,972	411,139,681	183,884,589
1899	7,841	137,525	362,968	360,542	2,426	55,695,816	185,695,393	(5)	(5)	326,752,878	141,057,485
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	−0.6	6.9	18.2	3.4	37.9	9.2	4.6	4.6	5.0	9.3	15.8
1925–1927	2.9	0.2	3.9	−5.1	18.8	2.5	6.3			6.2	5.9
1923–1925	−7.3	−0.2	8.5	4.5	15.8	6.0	8.3			8.1	7.8
1921–1923	7.4	29.2				38.8	37.6			41.6	47.6
1919–1921	−29.8	−27.3				−26.3	−35.4			−34.2	−32.3
1919–1929	−28.5	0.3	41.8	−6.9	196.2	21.4	7.1	7.1	6.5	16.8	32.0
1909–1919	6.9	44.6	58.1	26.1	722.8	209.3	225.5	225.6	222.5	212.9	195.0
1899–1909	24.0	32.8	52.3	46.3	949.4	68.6	86.5			80.7	72.9

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.

TABLE 2.—SUMMARY FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	2,939,006	7,431	264,745	1,239,394	$352,490,893	$1,206,840,087	$1,161,664,893	$45,175,194	$2,156,681,769	$949,841,682
Milwaukee Industrial Area[3]	878,757	2,218	144,760	524,947	211,345,067	616,224,699	594,201,445	22,023,254	1,166,493,769	550,269,070
Counties[4]										
Adams	8,003	7	117	226	191,994	260,896	241,839	19,057	493,857	232,961
Ashland	21,054	40	1,180	7,764	1,348,492	2,174,001	2,016,489	157,512	4,888,580	2,714,579
Barron	34,301	66	735	4,958	722,409	5,361,846	5,242,821	119,025	7,844,363	2,482,517
Bayfield	15,006	21	738	6,040	843,740	2,203,998	2,075,183	128,815	4,827,839	2,623,841
Brown	70,249	171	4,809	38,745	6,334,506	22,643,106	21,276,933	1,366,173	39,680,413	17,037,307
Buffalo	15,330	24	86	608	98,221	1,941,613	1,919,453	22,160	2,258,347	316,734
Burnett	10,233	17	48	367	49,437	862,287	857,367	4,920	986,124	123,837
Calumet	16,848	68	540	2,910	589,585	4,205,001	4,040,411	164,590	6,073,823	1,868,822
Chippewa	37,342	84	1,209	21,463	1,323,507	7,564,410	7,313,806	250,604	11,404,970	3,840,560
Clark	34,165	129	647	3,839	660,460	6,112,606	5,985,100	127,506	8,252,622	2,140,016
Columbia	30,503	70	933	3,611	866,932	5,773,693	5,598,904	174,789	8,561,192	2,787,499
Crawford	16,781	51	397	1,430	384,985	1,992,853	1,949,582	43,271	2,923,808	930,955
Dane	112,737	255	4,220	14,401	6,038,260	28,633,890	27,996,470	637,420	46,934,075	18,300,185
Dodge	52,092	210	3,417	10,630	3,879,590	15,741,472	15,136,990	604,482	28,210,250	12,468,778
Door	18,182	35	377	1,810	429,278	4,104,277	4,040,062	64,215	5,232,201	1,127,924
Douglas	46,583	61	1,741	15,167	2,435,582	15,619,275	13,507,866	2,111,409	21,989,990	6,370,715
Dunn	27,037	44	302	2,565	340,855	4,153,823	4,057,518	96,305	5,020,479	866,656
Eau Claire	41,087	98	3,650	24,540	4,164,148	16,483,843	15,861,419	628,424	24,944,151	8,454,308
Fond du Lac	59,883	162	4,324	12,514	5,142,746	18,718,018	18,081,225	636,793	31,908,684	13,190,666
Forest	11,118	19	1,187	3,618	1,106,603	1,056,127	1,028,974	27,153	3,732,318	2,676,191
Grant	38,469	95	281	1,271	307,000	3,680,451	3,610,794	69,657	4,684,364	1,003,913
Green	21,870	151	304	1,793	398,133	5,179,215	5,054,169	125,046	6,903,833	1,724,618
Green Lake	13,913	29	399	1,043	395,096	3,112,776	3,034,426	78,350	4,668,947	1,555,171
Iowa	20,039	140	263	2,314	303,101	3,475,047	3,334,524	143,523	4,611,890	1,133,843
Iron	9,933	11	173	391	197,301	402,046	397,362	4,684	897,339	495,293
Jackson	16,468	27	156	1,437	155,477	1,543,835	1,519,465	24,370	1,864,199	320,364
Jefferson	36,785	102	2,868	8,955	3,181,490	13,703,509	13,306,045	397,464	23,834,706	10,131,197
Juneau	17,264	25	123	741	169,413	1,475,840	1,447,800	28,040	1,866,714	390,874
Kenosha[3]	63,277	62	11,844	46,423	18,410,702	60,378,265	58,691,832	1,686,433	97,582,456	37,204,191
Kewaunee	16,037	76	862	3,225	913,908	3,612,731	3,523,777	88,954	6,077,313	2,464,582

See footnotes at end of table.

TABLE 2.—SUMMARY FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929—Con.

	Population, 1930	Number of establishments	Wage earners (average for the year)[1]	Horsepower[2]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Counties[4]—Continued										
La Crosse	54,455	117	5,742	12,095	$6,131,457	$12,990,446	$12,416,606	$573,840	$27,704,325	$14,713,879
Lafayette	18,649	110	184	2,104	272,305	3,590,006	3,390,146	100,860	4,523,340	1,023,334
Langlade	21,544	34	937	2,487	1,009,895	1,900,735	1,810,300	90,435	4,374,188	2,473,453
Lincoln	21,072	65	1,807	24,024	1,719,706	5,635,176	5,357,246	277,930	10,184,427	4,549,251
Manitowoc	58,674	194	7,050	33,067	8,570,578	28,129,787	26,907,142	1,222,645	49,861,501	21,731,714
Marathon	70,629	211	4,861	36,838	5,274,860	20,316,304	19,461,430	854,874	34,720,594	14,404,290
Marinette	33,530	72	2,901	30,127	3,098,237	12,070,563	11,574,208	496,355	19,638,550	7,567,987
Marquette	9,388	13	123	577	163,830	635,463	626,271	9,192	912,601	277,138
Milwaukee[3]	725,263	1,939	117,658	421,681	170,962,354	478,173,932	460,428,914	17,745,018	912,261,503	434,087,571
Monroe	28,739	39	182	1,066	196,323	3,819,093	3,759,165	59,928	4,812,817	993,724
Oconto	26,386	84	1,580	9,003	1,473,135	5,324,897	5,095,242	229,655	8,554,344	3,229,447
Oneida	15,899	27	1,802	17,409	1,887,356	4,597,783	4,311,011	286,772	8,801,018	4,203,235
Outagamie	62,790	167	5,406	84,166	6,585,707	26,977,454	24,898,523	2,078,931	44,296,219	17,318,765
Ozaukee	17,394	73	1,374	4,816	1,450,802	3,947,630	3,784,012	163,618	7,855,386	3,907,756
Pepin	7,450	10	94	373	87,700	1,722,356	1,704,170	18,186	1,973,799	251,443
Pierce	21,043	26	136	446	156,567	2,198,660	2,172,283	26,377	2,565,952	367,292
Polk	26,567	59	279	2,128	255,789	3,886,486	3,833,416	53,070	4,864,057	977,571
Portage	33,827	52	1,553	20,409	1,679,901	6,771,615	6,396,884	374,731	12,048,858	5,277,243
Price	17,284	47	1,585	13,456	1,639,211	3,568,842	3,323,896	244,946	6,957,059	3,388,217
Racine[3]	90,217	217	15,558	56,843	21,972,011	77,672,502	75,080,699	2,591,803	156,649,810	78,977,308
Richland	19,525	83	192	1,465	218,955	3,462,166	3,393,780	68,386	4,396,529	934,363
Rock	74,206	119	9,585	27,117	14,430,363	84,089,708	82,856,711	1,232,997	147,300,223	63,210,515
Rusk	16,081	28	617	11,916	577,066	2,835,245	2,735,948	99,297	4,596,821	1,761,576
St. Croix	25,455	49	544	3,312	717,087	4,770,633	4,677,363	93,270	6,139,094	1,368,461
Sauk	32,030	74	615	3,164	570,091	4,533,554	4,421,244	118,310	6,930,480	1,490,926
Shawano	33,516	136	1,201	5,947	1,243,169	5,480,621	5,329,760	150,861	8,365,478	2,884,857
Sheboygan[3]	71,235	248	10,000	26,860	12,478,285	29,342,855	28,027,622	1,315,233	55,548,246	26,205,391
Taylor	17,685	39	651	2,932	566,176	2,639,927	2,614,967	24,960	3,854,814	1,214,887
Trempealeau	23,910	31	134	1,461	135,720	3,831,525	3,781,428	50,097	4,431,606	600,081
Vernon	28,537	45	122	1,214	127,758	3,577,179	3,514,909	62,270	4,525,490	948,311
Vilas	7,294	8	499	1,741	431,507	687,220	677,268	9,952	1,422,092	734,872
Walworth	31,058	42	799	2,305	753,976	3,818,904	3,701,613	117,291	6,378,793	2,559,889
Washburn	11,103	12	110	265	162,325	613,455	584,928	28,527	873,883	260,428
Washington	26,551	73	2,053	6,994	2,142,974	9,801,858	9,519,478	282,380	17,069,167	7,267,309
Waukesha	52,358	96	4,241	14,773	5,718,652	18,357,897	17,733,187	624,710	37,152,320	18,794,423
Waupaca	33,513	89	1,471	5,554	1,390,349	9,241,532	9,059,590	181,942	12,947,618	3,706,086
Waushara	14,427	19	78	1,182	96,426	934,378	913,933	20,445	1,220,046	285,668
Winnebago[3]	76,622	214	10,491	50,079	11,438,928	35,333,146	33,785,973	1,547,173	63,244,885	27,911,739
Wood	37,865	102	2,537	52,504	3,042,211	16,804,644	15,212,558	1,592,086	26,617,333	9,812,689
All other counties (Florence and Sawyer)[5]	12,646	18	363	754	298,200	657,160	633,463	23,697	1,846,656	1,189,496
Cities having 10,000 inhabitants or more[7]										
Appleton	25,267	74	2,798	25,565	3,219,042	11,378,707	10,465,025	913,682	19,622,502	8,243,795
Ashland	10,622	20	648	4,624	801,778	1,245,932	1,097,764	148,168	2,793,519	1,547,587
Beloit	23,611	36	4,443	17,160	7,463,598	12,399,988	11,706,568	693,420	28,005,687	15,605,699
Eau Claire	26,287	79	3,452	23,300	3,931,441	14,990,242	14,401,076	589,166	22,956,255	7,966,013
Fond du Lac	26,449	65	3,002	9,024	3,800,784	10,953,367	10,499,246	454,121	20,260,661	9,307,294
Green Bay	37,415	94	3,814	26,522	5,122,939	16,210,160	15,116,465	1,093,695	29,103,273	12,893,113
Janesville	21,628	49	4,255	5,416	5,692,134	67,551,627	67,137,317	414,310	112,418,150	44,866,523
Kenosha	50,262	57	11,478	45,737	18,329,920	60,164,831	58,505,633	1,659,198	97,051,248	36,886,417
La Crosse	39,614	97	5,523	10,929	5,935,569	11,004,325	10,469,034	535,291	25,045,694	14,041,369
Madison	57,899	110	3,488	10,990	5,159,464	22,474,373	21,980,429	493,944	38,104,240	15,629,867
Manitowoc	22,963	67	3,798	19,998	4,694,614	17,445,664	16,648,380	797,284	29,063,912	11,618,248
Marinette	13,734	29	1,739	14,828	1,668,165	6,409,645	6,091,778	317,867	10,335,271	3,925,626
Milwaukee[6]	578,249	1,769	94,873	333,830	136,775,336	361,052,449	347,403,841	13,648,608	700,760,456	339,708,007
Oshkosh	40,108	119	6,372	18,760	6,982,626	15,506,399	15,008,596	497,803	31,961,015	16,454,616
Racine	67,542	184	12,893	48,096	18,618,893	67,025,296	64,703,196	2,322,100	132,739,836	65,714,540
Sheboygan	39,251	107	6,191	15,937	6,660,573	14,712,765	14,056,655	656,110	29,590,191	14,877,426
South Milwaukee	10,706	21	2,076	9,939	2,626,048	6,037,492	5,629,533	407,959	14,984,731	8,947,239
Stevens Point	13,623	29	1,021	7,414	1,075,251	2,936,406	2,786,672	149,734	5,932,914	2,996,508
Superior	36,113	57	1,484	14,822	2,018,715	15,209,019	13,119,703	2,089,316	21,093,710	5,884,691
Watertown	10,613	37	1,199	4,395	1,220,540	6,331,763	6,187,586	144,177	9,756,648	3,424,885
Waukesha	17,176	56	3,536	10,150	4,932,315	12,216,841	11,725,321	491,520	28,534,632	16,317,791
Wausau	23,758	63	2,696	10,149	2,726,811	6,772,656	6,548,442	224,214	13,506,790	6,734,134
Wauwatosa	21,194	19	397	1,978	549,238	905,338	858,106	47,232	2,095,072	1,189,734
West Allis	34,671	62	10,146	27,187	15,905,894	31,054,635	29,699,031	1,355,604	68,808,937	37,754,302

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] The Milwaukee Industrial Area comprises Kenosha, Milwaukee, and Racine Counties. For statistics by industries for the area and for Milwaukee County, see Table 13.
[4] Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties (Florence and Sawyer). Sawyer County, however, reported a larger number of wage earners and a larger value of products than some of those shown separately.
[5] For statistics by industries for this county, see Table 13.
[6] See footnote 4.
[7] Not including Cudahy, Shorewood, and Two Rivers, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from publication to avoid disclosing approximations of the data for individual establishments.
[8] Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—namely, "Motor-vehicle bodies and motor-vehicle parts" and "Motor vehicles, not including motorcycles"—without rendering it possible to calculate (by subtracting the figures for these industries in Milwaukee from the corresponding ones for Milwaukee County) the figures for the same industries in Milwaukee County outside the city, the publication of which would disclose close approximations of the data for individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separata figures could he given would be misleading, and therefore no such statistics ara included in this report.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	313,139	261,312	51,827	3,742	3,585	157	[2] 5,665	[2] 5,410	[2] 255	[2] 38,987	[2] 27,450	[2] 11,637	264,745	[2] 224,867	[2] 39,878
1919 [1,4]	317,899	255,652	62,247	7,951	7,732	219	4,637	4,466	171	41,362	29,816	11,546	263,949	223,638	40,311
1914 [4]	230,273	199,232	31,041	7,425	7,144	281	3,127	3,039	88	25,411	20,618	4,893	194,310	168,531	25,779
1909	213,426	186,350	27,076	8,556	8,327	229	2,351	2,299	62	19,936	16,623	3,313	182,683	169,101	23,482

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 235; male, 231; female, 4. Other salaried officers and employees—total, 5,629; male, 3,570; female, 2,059. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[4] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **hold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	264,745	255,781	262,681	265,049	265,954	267,213	266,788	**280,753**	271,060	268,637	270,229	256,018	*246,777*	87.9
1919 [1]	263,949	258,127	257,090	255,117	250,475	*250,122*	256,340	268,411	266,925	267,343	274,142	279,177	284,119	88.0
1914 [1]	194,310	197,347	203,166	205,512	199,210	196,041	196,523	198,170	193,475	190,662	187,342	182,227	*182,055*	88.6
1909 [1]	182,583	174,937	178,091	179,007	*173,561*	176,625	180,691	184,290	185,556	185,592	188,664	191,447	192,527	90.1

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	7,431	264,745	45 and over but under 48	211	8,044
			48	963	39,622
Not reported	280	706	Over 48 but under 54	1,081	102,916
Under 40	76	568	54	495	11,654
40	75	3,959	Over 54 but under 60	1,120	57,646
Over 40 but under 44	63	1,006	60 and over	2,447	24,685
44 and over but under 45	620	14,039			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	7,431	10,393	9,721	264,745	263,949	182,583	51 to 100	339	355	314	24,330	24,973	22,337
							101 to 250	309	306	232	49,725	48,211	36,767
No wage earners	654	1,635	1,343				251 to 500	126	120	100	44,036	41,301	33,765
1 to 5	3,934	5,854	5,818	7,935	9,720	10,201	501 to 1,000	46	67	37	31,329	45,213	24,553
6 to 20	1,279	1,377	1,327	14,140	14,869	14,806	1,001 to 2,500	30	27	12	40,179	68,727	22,732
21 to 50	706	652	538	22,803	20,935	17,422	2,501 and over	8			30,268		

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	7,431	10,393	9,721	264,745	263,949	182,583	$2,156,681,769	$1,846,984,307	$590,305,538	$949,841,682	$719,709,346	$243,948,955
Less than $5,000	(2)	2,034	3,071	(2)	1,142	3,458	(2)	5,180,694	7,615,812	(2)	3,077,464	4,457,314
$5,000 to $19,999	2,211	2,719	3,707	4,095	6,092	11,417	26,618,327	30,217,974	39,712,619	12,346,410	13,895,439	13,837,468
$20,000 to $99,999	3,186	3,778	2,064	15,637	18,946	26,965	138,687,954	171,478,121	86,957,666	51,967,566	43,998,107	32,235,366
$20,000 to $49,999	2,221	(3)	(3)	6,847	(3)	(3)	71,485,966	(3)	(3)	23,879,415	(3)	(3)
$50,000 to $99,999	965	(3)	(3)	8,790	(3)	(3)	67,201,988	(3)	(3)	28,088,151	(3)	(3)
$100,000 to $499,999	1,370	1,274	793	47,222	49,743	88,003	309,483,353	270,722,672	227,934,734	145,804,909	111,670,026	102,700,393
$100,000 to $249,999	912	(3)		22,133	(3)		146,173,902	(3)		66,163,314	(3)	
$250,000 to $499,999	458	(3)		25,089	(3)		163,309,451	(3)		79,641,595	(3)	
$500,000 to $999,999	308	272		33,682	36,452		216,080,294	188,577,779		101,494,667	85,071,930	
$1,000,000 and over	356	316	86	164,109	151,574	52,740	1,465,811,841	1,180,807,067	228,084,707	638,228,130	461,996,380	90,718,414
$1,000,000 to $2,499,999	220	(3)	(3)	49,437	(3)	(3)	345,164,087	(3)	(3)	158,101,186	(3)	(3)
$2,500,000 to $4,999,999	71	(3)	(3)	29,347	(3)	(3)	241,149,359	(3)	(3)	113,612,518	(3)	(3)
$5,000,000 and over	65	(3)	(3)	85,325	(3)	(3)	879,498,395	(3)	(3)	366,514,426	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	7,431	10,393	264,745	263,949	$2,156,681,769	$1,846,984,307	$949,841,682	$719,709,346
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	3,704	3,047	250,082	244,454	2,029,319,820	1,614,831,541	906,134,138	669,430,146
Other forms of ownership or control (individual, partnership, etc.)	3,727	7,346	14,663	19,495	127,361,949	232,152,766	43,707,544	50,279,200
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	828	(1)	109,454	(1)	1,053,117,062	(1)	432,551,461	(1)
Independent (single-unit)	6,603	(1)	155,291	(1)	1,103,564,707	(1)	517,290,221	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR THE MILWAUKEE INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
The State:														
1929	1,239,394	618,932	3,056	303,486	332	144,359	484	9,877	496	161,210	76,715	620,462	38,352	427,209
1927	1,048,228	598,311	2,999	297,915	286	121,455	666	11,983	509	166,958	60,155	449,917	36,265	419,528
1925	1,009,015	630,203	3,442	348,320	182	89,753	908	12,643	649	179,487	48,332	378,812	36,253	360,058
1919 [1]	874,320	664,850	4,111	394,710	330	72,814	1,612	16,706	897	180,620	27,214	209,470	21,590	263,714
1914 [1]	676,848	596,864	[3] 5,052	[2] 420,065	(2)	(2)	1,564	28,004	993	148,795	10,979	79,984	12,941	175,684
Milwaukee Industrial Area	524,947	170,696	449	112,511	62	54,314	22	3,758	4	113	39,345	354,251	22,683	201,358
Counties in which aggregate horsepower exceeded 25,000: 1929														
Brown	38,745	15,520	71	7,316	19	3,444	2	10	36	4,750	1,988	23,225	505	5,828
Kenosha	46,423	17,895	10	4,495	7	13,400					2,012	28,528	3,577	28,550
Manitowoc	33,067	13,996	90	[4] 8,584	5	5,197	12	215	1	(4)	3,006	19,971	753	12,380
Marathon	36,838	27,328	120	7,785	17	6,911	15	97	26	12,535	1,244	9,510	958	23,433
Marinette	30,127	24,112	38	6,158	6	1,476	10	26	19	16,452	536	6,015	290	8,372
Milwaukee	421,681	130,060	377	89,674	51	36,664	19	3,722			31,676	291,621	17,769	157,329
Outagamie	84,166	57,823	74	11,315	15	20,179	6	26	115	26,303	2,031	26,343	1,524	29,952
Racine	56,843	22,741	62	18,342	4	4,250	3	36	4	113	5,657	34,102	1,337	15,479
Rock	27,117	6,502	37	4,530	6	38	15	1,171	12	763	3,403	20,615	698	4,932
Sheboygan	26,860	16,632	132	15,589	10	411	40	432	2	200	1,823	10,228	2,005	13,355
Winnebago	50,079	33,766	101	15,423	24	16,656	7	107	33	1,580	2,684	16,313	2,340	21,302
Wood	52,504	38,208	50	4,110	8	13,936	9	46	23	20,116	1,027	14,296	895	25,474

[1] Date for the "Automobile repairing industry" are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.
[4] Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 4 on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	1,239,394	618,932	620,462	427,209
Adams	226	213	13	230
Ashland	7,704	4,902	2,802	1,809
Barron	4,958	3,108	1,850	868
Bayfield	6,040	4,358	1,682	98
Brown	38,745	15,520	23,225	5,828
Buffalo	608	463	145	----------
Burnett	367	264	103	----------
Calumet	2,910	1,095	1,815	306
Chippewa	21,463	19,930	1,533	5,386
Clark	3,839	2,518	1,321	366
Columbia	3,611	1,370	2,241	270
Crawford	1,430	1,141	289	----------
Dane	14,401	3,832	10,569	1,203
Dodge	10,630	4,925	5,705	1,825
Door	1,810	624	1,186	----------
Douglas	15,167	4,707	10,460	662
Dunn	2,566	605	1,961	172
Eau Claire	24,540	14,830	9,710	9,279
Fond du Lac	12,514	7,298	5,216	6,218
Forest	3,618	2,758	860	20
Grant	1,271	800	471	[2]
Green	1,793	1,236	557	279
Green Lake	1,043	491	552	172
Iowa	2,314	1,950	364	767
Iron	391	280	111	----------
Jackson	1,437	520	917	----------
Jefferson	8,955	3,487	5,468	1,638
Juneau	741	393	348	----------
Kenosha	46,423	17,895	28,528	28,550
Kewaunee	3,225	1,296	1,929	97
La Crosse	12,095	4,366	7,729	3,540
Lafayette	2,104	942	1,162	----------
Langlade	2,487	1,492	995	[2]
Lincoln	24,024	21,840	2,184	10,526
Manitowoc	33,067	13,996	19,071	12,380
Marathon	36,838	27,328	9,510	23,433
Marinette	30,127	24,112	6,015	8,372
Marquette	577	453	124	779
Milwaukee	421,681	130,060	291,621	157,329
Monroe	1,066	632	434	100
Oconto	9,003	8,385	618	3,352
Oneida	17,409	16,055	1,354	8,555
Outagamie	84,166	57,823	26,343	29,952
Ozaukee	4,816	3,061	1,755	1,106
Pepin	373	159	214	----------
Pierce	446	235	211	----------
Polk	2,128	1,113	1,015	----------
Portage	20,409	17,713	2,696	5,206
Price	13,456	10,883	2,573	5,224
Racine	56,843	22,741	34,102	15,479
Richland	1,465	1,121	344	110
Rock	27,117	6,502	20,615	4,932
Rusk	11,916	11,193	723	488
St. Croix	3,312	938	2,374	----------
Sauk	3,164	1,677	1,487	1,445
Shawano	5,947	4,820	1,127	2,981
Sheboygan	26,860	16,632	10,228	13,355
Taylor	2,932	2,528	404	186
Trempealeau	1,461	723	738	----------
Vernon	1,214	988	226	83
Vilas	1,741	1,723	18	503
Walworth	2,305	1,084	1,221	513
Washburn	265	25	240	----------
Washington	6,994	3,545	3,449	2,042
Waukesha	14,773	3,784	10,989	1,756
Waupaca	5,554	2,618	2,936	432
Waushara	1,182	143	1,039	[2]
Winnebago	50,079	33,766	16,313	21,302
Wood	52,504	38,208	14,296	25,474
All other counties (Florence and Sawyer)	754	716	38	221

[1] Horsepower of electric motors driven by energy generated in establishments reporting.
[2] Included in total for State but not shown separately to avoid disclosing data for individual establishments.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 lbs.)	5,794,275	$25,592,623	5,130,814	5,447,071	5,387,834	3,647,314	3,141,321
Anthracite (tons, 2,240 lbs.)	226,484	965,818	[3]	99,476	103,525	98,331	92,459
Bituminous (tons, 2,000 lbs.)	5,540,613	24,626,805	[3]	5,335,658	5,271,886	3,537,183	3,037,767
Coke (tons, 2,000 lbs.)	272,010	2,006,908	[4]	[4]	542,938	340,460	459,412
Fuel oils, including crude oils and gas oils (gallons) [5]	68,412,609	3,181,977	[4]	[4]	25,905,558	9,914,310	9,675,162
Gasoline and kerosene (gallons) [5]	3,701,613	447,500	[4]	[4]	9,008,454		
Gas, natural (M cu. ft.)	----------	----------	----------	----------	----------	----------	----------
Gas, manufactured (M cu. ft.)	8,016,028	2,014,127	[4]	[4]	1,270,809	383,916	299,400
Other fuels	----------	879,100	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	934,848,936	12,422,930	[4]	[4]	[4]	[4]	[4]
Total cost of fuel and purchased energy	----------	[7] 46,545,165	*Cost* $43,006,060	*Cost* [6]	*Cost* $42,406,892	*Cost* $16,177,767	*Cost* $13,147,679

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [1]
All industries, total	7,431	[3] 44,652	264,745	618,932	620,462	*Dollars* [3] 115,033,424	*Dollars* 352,490,893	*Dollars* 1,161,664,893	*Dollars* 45,175,194	*Dollars* 2,156,681,769	*Dollars* 949,841,682
Agricultural implements	21	568	2,413	4,753	2,596	1,388,996	3,653,103	8,316,954	278,404	27,513,669	18,918,311
Aluminum manufactures	15	369	3,921	2,471	12,179	905,425	4,634,635	9,698,487	351,145	21,931,117	11,881,485
Awnings, tents, sails, and canvas covers	22	49	125	-------	47	97,698	144,547	388,291	6,347	866,249	471,611
Belting, leather	4	6	24	-------	77	14,977	31,568	198,439	1,402	294,433	94,592
Beverages	170	294	1,039	5,200	2,839	686,592	1,382,496	4,923,727	280,036	13,639,561	8,435,798
Blacking, stains, and dressings	4	20	29	-------	121	61,022	43,809	206,048	4,063	449,870	239,759
Bookbinding and blank-book making	21	135	508	-------	364	278,202	608,269	734,985	18,614	2,189,971	1,436,372
Boot and shoe findings, not made in boot and shoe factories	7	39	276	275	181	103,915	269,309	1,202,030	22,072	1,788,039	563,937
Boots and shoes, other than rubber	57	1,400	10,755	1,825	5,382	3,098,218	11,376,099	30,053,392	287,242	55,383,784	25,044,150
Boxes, paper, not elsewhere classified	30	310	1,865	480	2,064	578,195	1,889,438	6,695,769	106,047	10,995,936	4,294,120
Boxes, wooden, except cigar boxes	53	179	2,027	5,369	4,284	515,886	1,884,821	3,553,198	96,787	7,059,603	3,409,618
Bread and other bakery products	711	513	4,758	964	5,775	1,255,784	6,215,213	15,614,504	795,106	34,205,338	17,795,728
Brooms	10	10	64	-------	42	12,201	67,575	116,802	2,699	329,664	210,163
Brushes, other than rubber	9	37	144	-------	302	74,492	146,231	258,981	7,943	569,328	302,404
Butter	429	664	1,938	6,138	9,901	807,932	2,547,282	61,144,457	736,457	71,722,873	9,841,959
Canning and preserving: Fish, crabs, shrimps, oysters and clams	4	11	33	-------	30	9,038	17,789	74,132	2,687	119,667	42,848
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	171	772	5,290	11,965	11,093	1,779,408	3,756,274	20,191,220	439,659	35,068,403	14,437,524
Car and general construction and repairs, electric-railroad repair shops	10	97	687	-------	2,171	187,267	1,163,641	1,751,305	48,991	3,151,204	1,350,908
Car and general construction and repairs, steam-railroad repair shops	48	960	8,473	5,442	5,064	2,196,119	12,990,323	8,753,946	650,619	24,590,243	15,185,678
Carriages and sleds, children's	7	53	587	575	275	153,950	621,899	893,666	18,079	1,976,843	1,065,098
Caskets, coffins, burial cases, and other morticians' goods	10	72	368	715	408	172,813	435,610	837,348	34,905	2,242,575	1,370,662
Cheese	1,963	457	1,680	11,418	2,301	152,426	2,288,049	54,541,665	846,312	64,970,802	9,582,825
Chocolate and cocoa products, not including confectionery	3	32	103	1,050	618	99,928	95,094	1,688,607	22,383	2,381,760	770,870
Cigars and cigarettes	97	50	530	-------	50	105,308	512,589	717,160	8,277	1,843,944	1,118,607
Clay products (other than pottery) and nonclay refractories	29	54	337	783	2,643	106,430	401,167	69,331	221,798	1,038,811	747,682
Cleaning and polishing preparations	6	22	34	-------	137	53,323	40,843	190,736	3,425	517,320	323,159
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	37	215	2,467	415	666	750,071	2,503,056	6,809,849	68,546	12,028,645	5,150,250
Clothing, women's, not elsewhere classified	30	183	1,464	-------	287	402,613	1,085,682	2,906,119	28,663	5,577,319	2,642,537
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	13	67	657	-------	199	174,575	605,114	1,764,926	17,882	3,210,172	1,427,364
Coffee and spice, roasting and grinding	16	48	99	240	391	130,967	108,260	3,214,124	26,087	4,299,438	1,059,227
Compressed and liquefied gases	7	52	73	-------	1,758	166,138	98,187	281,492	99,434	1,403,440	1,022,514
Concrete products	92	166	522	188	2,083	376,100	681,265	1,178,158	66,565	3,364,988	2,120,265
Condensed and evaporated milk	107	341	1,789	10,681	7,860	740,381	2,215,247	51,987,457	1,196,454	66,645,329	13,461,418
Confectionery	57	311	1,920	2,050	2,644	676,936	1,529,520	5,605,605	116,386	10,965,603	5,243,612
Cooperage	11	70	678	2,735	641	157,707	677,657	2,640,632	37,852	3,870,755	1,192,271
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	67	452	1,063	797	688	994,586	1,487,587	7,117,875	55,847	11,804,020	4,630,298
Cutlery (not including silver and plated cutlery) and edge tools	8	45	216	-------	414	127,539	294,672	210,474	21,637	931,365	699,254
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	20	277	800	605	1,716	603,935	1,088,402	2,270,985	86,177	6,332,049	3,974,887
Druggists' preparations	4	26	48	60	26	68,544	47,064	111,431	4,697	366,584	250,456
Dyeing and finishing textiles	4	7	43	-------	95	27,947	54,627	76,948	16,457	204,930	111,525
Electrical machinery, apparatus, and supplies	62	2,104	7,652	1,500	9,824	5,078,950	9,703,972	16,288,249	494,239	48,532,600	31,750,112
Electroplating	12	23	147	12	669	75,472	262,519	72,522	25,755	594,020	495,743
Engines, turbines, tractors, and water wheels	21	1,679	12,519	14,185	21,921	4,623,046	21,436,841	47,612,148	1,680,778	96,392,493	47,099,567
Engraving, steel and copperplate, and plate printing	4	12	56	-------	22	42,452	52,706	56,763	1,120	270,867	212,984
Excelsior	7	17	324	1,250	1,036	55,482	338,318	603,169	35,377	1,353,243	714,697
Fancy and miscellaneous articles, not elsewhere classified	11	49	349	-------	381	135,418	271,119	586,914	13,567	1,294,938	694,457
Feeds, prepared, for animals and fowls	18	87	123	300	2,156	193,000	166,152	3,396,527	48,779	4,610,425	1,164,719
Flavoring extracts and flavoring sirups	37	184	473	3,556	1,892	530,059	710,411	2,268,956	220,187	5,280,240	2,791,097
Flour and other grain-mill products	79	154	500	8,196	5,278	318,801	636,442	12,160,492	193,726	14,504,212	2,149,594
Food preparations, not elsewhere classified	20	325	821	5,765	976	812,158	1,129,544	11,607,207	232,537	18,813,799	6,974,055
Forgings, iron and steel, not made in plants operated in connection with rolling mills	6	76	628	75	3,214	297,637	1,131,108	1,715,918	241,322	4,975,209	3,017,969
Foundry and machine-shop products, not elsewhere classified	294	5,520	24,207	23,981	49,295	14,404,925	36,667,057	57,645,541	3,296,619	149,058,715	88,116,555
Fur goods	41	91	313	-------	172	232,536	383,372	1,267,528	21,051	2,388,415	1,099,836
Furniture, including store and office fixtures	111	1,330	8,714	13,166	11,578	3,115,990	9,836,433	14,616,874	536,494	36,639,762	21,486,394
Gas and electric fixtures; lamps, lanterns, and reflectors	17	124	368	-------	337	343,930	500,332	860,565	32,383	2,195,434	1,302,486
Gas, manufactured, illuminating and heating	31	667	1,671	9,887	7,656	1,163,482	2,362,111	3,087,445	3,061,405	16,059,539	9,910,689
Glass products (except mirrors) made from purchased glass	12	18	77	-------	73	45,241	134,338	133,715	4,524	408,886	270,347
Gloves and mittens, leather	22	153	1,520	100	365	458,518	1,293,480	3,602,257	31,527	6,337,541	2,703,757
Grease and tallow, not including lubricating greases	11	17	70	168	782	31,702	98,409	557,237	36,726	882,278	288,315
Hardware not elsewhere classified	19	293	1,731	203	2,602	1,073,658	2,265,609	2,502,040	132,947	9,185,205	6,550,218
Hats and caps, except felt and straw, men's	10	28	81	-------	34	90,756	114,041	196,302	3,818	474,545	274,425
Horse blankets, fly nets, and related products	5	27	182	125	50	68,822	157,152	520,955	15,292	853,646	317,399
House-furnishing goods, not elsewhere classified	11	28	168	150	101	158,745	107,348	523,601	9,021	991,668	459,046
Ice cream	67	233	660	467	5,627	532,003	975,261	4,323,231	215,316	8,747,668	4,209,121
Ice, manufactured	11	74	104	-------	4,371	244,998	161,592	49,219	145,217	1,186,802	992,366
Ink, printing	4	12	12	-------	75	53,017	13,142	58,017	1,698	161,745	102,030
Iron and steel: Steel works and rolling mills	17	633	5,248	17,740	31,484	1,898,314	9,428,007	11,124,669	1,650,231	30,269,020	17,453,820
Jewelry	6	4	54	-------	22	4,452	73,511	35,322	1,380	157,207	120,505
Knit goods	52	1,123	11,118	4,335	4,100	3,786,296	12,200,263	20,882,992	408,898	51,549,464	30,257,674
Leather goods, not elsewhere classified	6	14	54	100	41	38,561	62,256	181,101	8,496	351,089	161,492
Leather: Tanned, curried, and finished	18	508	3,791	16,510	3,395	1,632,345	4,648,457	19,247,901	514,262	30,015,331	10,253,168

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Lime	15	29	208	78	2,339	62,065	245,141	199,259	356,702	1,107,232	651,271
Lithographing	11	150	621	-------	831	613,570	993,349	1,329,226	36,618	3,951,742	2,585,898
Lumber and timber products, not elsewhere classified	139	891	14,489	48,125	7,237	2,278,060	13,907,820	14,371,907	364,415	44,894,159	30,157,837
Machine-tool accessories and small metal-working tools, not elsewhere classified	31	71	364	-------	937	244,155	687,103	251,481	35,996	1,842,565	1,555,088
Machine tools	18	522	2,330	2,785	3,791	1,539,452	3,724,881	3,071,698	176,301	12,002,918	8,754,919
Malt	10	73	264	5,611	936	315,865	426,525	8,402,193	363,441	10,606,476	1,840,842
Marble, granite, slate, and other stone products	51	178	882	894	7,397	510,262	1,447,723	1,484,489	119,423	4,790,193	3,186,281
Meat packing, wholesale	22	696	2,893	3,131	5,407	1,502,464	4,121,345	80,421,066	513,927	93,312,909	12,377,916
Millinery	9	77	952	110	462	308,208	945,999	1,916,123	28,538	3,787,013	1,842,347
Mirrors, framed and unframed	8	22	92	75	124	72,260	141,157	301,783	8,982	600,211	289,446
Models and patterns, not including paper patterns	42	82	519	-------	770	247,541	1,041,548	298,304	27,966	2,058,611	1,732,341
Motor-vehicle bodies and motor-vehicle parts	39	1,345	13,344	2,700	94,767	4,162,586	22,656,606	54,404,977	1,251,278	95,296,332	39,640,077
Motor vehicles, not including motorcycles	15	1,068	10,241	3,850	22,562	3,772,703	16,183,014	139,787,213	1,389,154	219,192,950	78,016,583
Musical instrument parts and materials: Piano and organ	3	8	14	-------	49	17,493	16,633	33,558	942	89,195	54,695
Musical instruments:											
Organs	4	15	118	-------	287	67,701	168,943	147,279	6,846	470,713	316,588
Pianos	3	17	70	215	525	52,694	109,789	197,232	12,371	405,920	196,317
Paints and varnishes	18	738	622	888	1,451	1,692,654	921,019	8,454,088	96,028	13,555,554	5,005,438
Paper	48	1,078	9,741	264,431	56,604	3,387,312	12,370,195	61,929,207	5,279,021	93,400,631	36,192,403
Pulp (wood and other fiber)	31	228	3,446			652,971	4,355,021	20,571,634	1,974,905	36,058,146	13,511,607
Paper goods, not elsewhere classified	20	212	935	802	1,159	517,398	952,955	5,278,163	95,292	8,188,460	2,815,035
Patent or proprietary medicines and compounds	28	156	120	40	101	328,088	118,743	545,076	7,129	1,702,519	1,150,314
Paving materials: Asphalt, tar, crushed slag, and mixtures	3	5	12	105	-------	12,688	18,512	34,901	1,045	70,877	34,931
Perfumes, cosmetics, and other toilet preparations	6	27	37	-------	33	54,112	36,856	148,850	2,493	308,389	157,046
Phonographs	3	39	193	250	132	127,987	212,699	903,647	12,886	1,524,742	608,209
Photo-engraving, not done in printing establishments	19	115	317	-------	179	364,874	759,056	203,467	19,629	1,712,184	1,489,088
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	143	897	5,283	13,621	10,372	2,597,861	6,584,357	12,657,499	342,912	26,544,943	13,544,532
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	12	212	3,524	5,150	2,691	596,813	5,717,554	4,914,746	565,041	14,673,795	9,194,008
Poultry killing, dressing, and packing, wholesale	6	12	72	-------	176	20,748	68,123	995,195	10,026	1,214,317	209,096
Printing and publishing, book and job	278	818	3,195	9	5,021	2,084,494	4,561,752	6,424,338	221,564	18,692,933	12,047,031
Printing and publishing, newspaper and periodical	329	2,955	2,694	15	6,485	6,431,115	4,936,676	5,614,985	328,670	28,921,724	22,978,069
Pulp goods	4	17	127	40	474	59,734	126,265	197,476	20,431	378,247	160,340
Pumps (hand and power) and pumping equipment	5	103	342	-------	863	227,287	492,786	703,398	36,632	1,922,180	1,182,150
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	13	118	743	1,230	1,488	363,822	895,048	1,779,877	59,141	3,812,543	1,973,525
Rubber goods other than tires, inner tubes, and boots and shoes	6	69	478	400	1,895	172,681	454,692	995,594	57,460	2,230,608	1,177,554
Rubber tires and inner tubes	5	634	3,922	5,085	19,735	1,181,601	5,235,704	22,181,017	546,437	41,244,345	18,516,891
Saddlery and harness	10	56	95	-------	347	113,584	126,065	542,682	5,265	1,012,126	464,179
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	35	97	415	311	1,628	333,408	640,833	4,913,044	82,360	6,793,117	1,797,713
Screw-machine products and wood screws	6	26	122	25	687	65,987	226,564	296,847	23,233	835,579	515,499
Ship and boat building, steel and wooden, including repair work	19	157	1,297	2,581	5,265	490,251	1,881,133	3,217,475	117,849	6,617,795	3,282,471
Shirts	8	61	389	131	119	125,644	309,892	763,330	12,126	1,632,690	857,034
Signs and advertising novelties	33	87	592	-------	365	237,442	631,610	804,305	16,841	2,329,567	1,508,421
Sporting and athletic goods, not including firearms or ammunition	8	25	224	-------	112	55,965	150,818	183,901	6,760	586,312	395,651
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	20	576	2,802	3,245	2,044	1,332,357	3,370,631	4,996,404	273,830	13,527,684	8,257,450
Stationery goods, not elsewhere classified	4	38	103	-------	115	125,067	131,193	457,005	6,403	1,035,686	572,278
Statuary and art goods, factory product	6	30	123	-------	173	77,232	219,667	91,795	8,266	519,148	419,087
Steam fittings and steam and hot-water heating apparatus	4	143	567	-------	1,063	439,828	739,148	1,389,137	41,216	4,423,159	2,992,806
Stereotyping and electrotyping, not done in printing establishments	6	24	72	-------	268	105,130	131,696	55,573	11,348	444,722	377,801
Stoves and ranges (other than electric) and warm-air furnaces	16	477	2,449	1,615	4,639	1,210,559	2,935,578	4,685,983	268,220	13,877,713	8,923,510
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	30	383	1,570	1,355	3,068	1,129,905	2,399,136	6,325,731	137,709	11,530,495	6,067,055
Suspenders, garters, and other elastic woven goods, made from purchased webbing	4	2	5	-------	4	(4)	6,045	23,346	276	49,924	26,302
Tobacco: Chewing and smoking, and snuff	4	4	24	-------	15	11,780	19,637	58,163	547	126,290	67,580
Tools, not including edge tools, machine tools, files, or saws	11	151	538	-------	928	536,554	752,469	1,029,505	41,784	4,162,031	3,090,742
Toys (not including children's wheel goods or sleds), games, and playground equipment	9	66	179	100	342	122,529	168,257	304,545	12,581	818,284	501,158
Trunks, suitcases, and bags	18	186	1,059	680	519	687,592	1,118,505	2,550,538	36,440	6,024,633	3,437,655
Wall plaster, wall board, insulating board, and floor composition	4	19	39	-------	486	51,236	51,454	260,304	11,297	681,387	409,786
Waste	4	15	145	150	544	29,755	140,266	889,414	18,754	1,131,839	223,671
Windmills and windmill towers	3	20	196	571	379	49,582	312,664	306,486	11,415	804,959	487,058
Window shades and fixtures	10	28	94	-------	152	77,600	106,610	410,686	8,718	956,859	537,455
Wirework, not elsewhere classified	16	54	391	250	416	176,843	487,683	630,933	24,761	1,788,071	1,132,377
Wood turned and shaped and other wooden goods, not elsewhere classified	16	35	201	184	1,229	68,089	185,017	337,353	27,627	877,136	512,156
Woolen goods	20	91	852	1,921	1,169	232,059	834,828	1,765,688	91,613	3,616,426	1,659,125
Other industries	284	3,054	23,416	46,908	76,935	8,581,747	31,867,989	117,646,237	9,019,508	217,629,211	90,963,466

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[3] Not including data for 6,864 employees of central administrative offices, with salaries aggregating $15,879,843. See GENERAL EXPLANATIONS—Persons Engaged.

[4] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for the Milwaukee Industrial Area (see GENERAL EXPLANATIONS—Industrial Area) and for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
MILWAUKEE INDUSTRIAL AREA											
[Tbis area comprises Kenosha, Milwaukee, and Racine Counties. Tbe totals for all industries do not include data for a few establisbments located outside tbe industrial area (see footnotes 1 and 2), and tberefore are slightly smaller than the sums of the items for the individual industries]											
All industries, total	2,218	27,571	144,760	170,696	654,251	*Dollars* 73,820,716	*Dollars* 211,345,067	*Dollars* 594,201,445	*Dollars* 22,023,254	*Dollars* 1,166,493,769	*Dollars* 550,269,070
Awnings, tents, sails, and canvas covers	9	24	71	-------	19	38,022	82,562	190,051	2,976	430,834	237,807
Belting, leather	4	6	24	-------	77	14,977	31,868	198,439	1,402	294,433	94,592
Beverages	32	133	405	2,304	317	349,882	612,562	2,154,256	109,550	5,547,117	3,283,311
Blacking, stains, and dressings	4	20	29	-------	121	61,022	43,809	206,048	4,063	449,870	239,759
Bookbinding and blank-book making	16	126	488	-------	343	263,433	577,061	699,968	17,172	2,083,545	1,366,405
Boot and shoe findings, not made in boot and shoe factories	7	39	276	275	181	103,915	269,309	1,202,030	22,072	1,788,039	563,937
Boots and shoes, other than rubber	30	1,018	7,281	1,675	3,456	2,235,122	8,043,826	19,677,730	164,878	36,898,423	17,055,815
Boxes, paper, not elsewhere classified	10	238	1,195	380	1,092	703,402	1,278,920	4,431,084	65,040	7,353,925	2,857,801
Boxes, wooden, except cigar boxes	10	70	508	1,744	1,104	205,935	562,956	1,179,392	30,239	2,165,298	955,667
Bread and other bakery products	419	358	3,146	950	3,596	905,465	4,087,982	10,002,817	473,242	23,357,165	12,881,106
Brooms	6	5	19	-------	14	7,221	28,729	34,617	885	124,064	88,562
Brushes, other than rubber [1]	9	37	144	-------	302	74,492	146,231	258,981	7,943	569,328	302,404
Butter	12	57	260	1,208	1,640	132,648	455,378	3,136,379	31,276	4,528,642	1,360,987
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	9	44	325	346	235	115,614	284,134	1,329,155	21,985	2,281,976	930,836
Caskets, coffins, burial cases, and other morticians' goods	3	24	87	125	322	65,974	122,370	213,766	8,319	635,813	413,728
Chocolate and cocoa products, not including confectionery	3	32	103	1,050	618	99,928	95,094	1,588,607	22,283	2,381,760	770,870
Cigars and cigarettes	45	34	379	-------	20	84,872	379,982	491,445	4,300	1,283,444	787,699
Clay products (other than pottery) and nonclay refractories	6	20	106	70	963	48,992	152,451	41,800	86,018	441,452	313,634
Cleaning and polishing preparations [1]	6	22	34	-------	137	53,323	40,843	190,736	3,425	517,320	323,159
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	28	165	1,972	265	563	620,488	2,036,116	5,662,378	53,181	9,909,906	4,194,347
Clothing, women's, not elsewhere classified	24	139	830	-------	164	282,149	619,100	1,602,145	16,325	3,235,188	1,616,718
Coffee and spice, roasting and grinding	10	35	73	150	283	94,579	83,275	2,514,988	18,397	3,415,979	882,594
Concrete products	38	102	282	50	1,198	222,981	404,808	772,735	39,505	2,210,894	1,398,654
Confectionery	27	222	1,503	1,735	1,362	502,750	1,190,967	4,699,834	81,070	9,223,848	4,442,944
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	5	41	129	-------	381	130,000	208,537	387,309	15,330	1,218,598	815,959
Electrical machinery, apparatus, and supplies	40	1,735	6,021	1,200	7,498	4,226,349	7,975,717	11,604,540	349,207	37,866,761	25,913,014
Electroplating [1]	12	23	147	12	669	75,472	262,519	72,522	25,755	594,020	495,743
Engines, turbines, tractors, and water wheels	12	917	8,560	12,535	7,863	2,287,391	14,341,973	34,469,603	1,088,495	68,326,376	32,768,278
Engraving, steel and copperplate, and plate printing	4	12	56	-------	22	42,452	52,706	56,763	1,120	270,867	212,984
Fancy and miscellaneous articles, not elsewhere classified	6	14	100	-------	7	43,467	64,828	159,130	1,694	341,875	181,051
Feeds, prepared, for animals and fowls	6	56	70	-------	874	129,186	103,041	1,994,976	31,445	2,988,972	962,551
Flavoring extracts and flavoring sirups	17	146	372	3,118	1,718	421,302	566,751	1,450,253	139,193	3,754,507	2,165,061
Food preparations, not elsewhere classified	15	259	609	5,765	135	618,760	857,226	5,460,251	171,283	10,529,585	4,898,051
Foundry and machine-shop products, not elsewhere classified	147	4,291	17,736	21,620	30,256	11,047,499	27,606,905	43,718,178	2,388,444	111,372,841	65,266,219
Fur goods	25	63	202	-------	134	190,765	267,631	707,479	14,960	1,445,824	723,385
Furniture, including store and office fixtures	44	312	2,079	2,229	2,198	827,209	2,842,997	4,377,925	119,536	10,202,131	5,704,670
Gas and electric fixtures; lamps, lanterns, and reflectors [1]	17	124	368	-------	337	343,930	500,332	860,565	32,383	2,195,434	1,302,486
Glass products (except mirrors) made from purchased glass [1]	12	18	77	-------	73	45,241	134,338	133,715	4,524	408,586	270,347
Gloves and mittens, leather	9	88	728	100	179	302,378	621,661	1,575,297	13,754	3,054,945	1,465,894
Grease and tallow, not including lubricating greases	3	7	34	-------	323	18,499	48,300	313,913	14,574	494,619	165,832
Hardware not elsewhere classified	12	271	1,653	100	2,423	1,036,162	2,174,542	2,376,366	123,901	8,806,168	6,306,901
Hats and caps, except felt and straw, men's	10	28	81	-------	34	90,786	114,041	196,302	3,818	474,545	274,425
House-furnishing goods, not elsewhere classified [1]	11	28	163	150	101	158,745	107,348	523,601	9,021	991,668	459,046
Ice cream	9	98	351	300	3,138	210,187	529,376	2,269,811	97,519	4,750,832	2,383,502
Ice, manufactured	7	64	63	-------	3,829	224,645	113,161	29,446	134,239	1,014,066	850,381
Ink, printing [1]	4	12	12	-------	75	53,017	13,142	58,017	1,698	161,745	102,030
Iron and steel: Steel works and rolling mills	17	633	5,248	17,740	31,484	1,898,314	9,428,007	11,124,969	1,690,231	30,269,020	17,453,820
Knit goods	25	837	8,238	3,640	3,237	2,801,906	9,955,157	15,721,850	302,469	40,625,649	24,601,330
Leather: Tanned, curried, and finished	14	368	2,619	11,602	3,340	1,136,500	3,301,598	13,110,584	372,329	20,262,844	6,779,931
Lithographing	11	150	621	-------	831	513,570	993,349	1,329,226	36,618	3,951,742	2,585,898
Machine-tool accessories and small metal-working tools, not elsewhere classified [2]	31	71	364	-------	937	244,155	687,103	251,481	35,996	1,842,565	1,555,088
Machine tools	10	273	1,237	1,050	1,753	791,604	1,973,542	1,835,847	66,187	6,559,566	4,657,532
Malt	4	38	107	2,680	-------	216,355	180,907	4,771,789	154,546	6,034,682	1,108,347
Marble, granite, slate, and other stone products	18	79	341	375	2,117	271,179	639,519	767,341	41,850	2,015,662	1,206,471
Meat packing, wholesale	15	635	2,385	2,851	4,131	1,317,061	3,340,814	64,511,789	422,077	74,436,797	9,202,931
Millinery	9	77	952	110	462	308,208	945,999	1,916,128	28,538	3,787,013	1,842,347
Models and patterns, not including paper patterns	35	72	475	-------	651	225,398	968,137	273,691	24,972	1,894,586	1,595,923
Motor-vehicle bodies and motor-vehicle parts	27	1,222	11,034	2,075	91,748	3,849,100	19,190,196	39,394,697	1,147,853	74,242,048	33,699,498
Motor vehicles, not including motorcycles	8	557	8,022	2,800	18,511	2,653,551	13,187,725	85,402,539	1,070,837	128,726,918	42,253,542
Paints and varnishes	13	720	590	888	1,323	1,641,211	888,541	8,269,990	91,192	13,215,218	4,854,036

See footnotes at end of this section, p. 569.

TABLE 13.—GENERAL STATISTICS FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Prime movers	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT: Electric motors driven by purchased energy	Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
MILWAUKEE INDUSTRIAL AREA—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Paper goods, not elsewhere classified	7	91	336	152	508	241,301	336,446	1,177,942	28,373	2,603,118	1,396,803
Patent or proprietary medicines and compounds	15	47	54	40	44	94,847	49,572	290,448	2,974	624,544	331,122
Photo-engraving, not done in printing establishments	13	89	210	-------	123	259,237	539,846	149,489	11,606	1,150,233	989,138
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills	50	345	1,717	2,050	3,437	1,109,736	2,516,134	3,781,637	85,886	9,090,760	5,223,237
Printing and publishing, book and job	160	579	2,234	-------	3,792	1,489,415	3,316,534	5,103,149	150,703	14,000,736	8,746,884
Printing and publishing, newspaper and periodical	52	1,814	1,161	-------	2,979	4,197,797	2,579,339	3,770,321	143,135	17,394,965	13,481,509
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	4	25	83	-------	171	90,976	155,829	188,570	5,209	570,915	377,136
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	20	74	322	305	1,229	238,552	507,355	3,822,673	62,075	5,252,970	1,368,222
Screw-machine products and wood screws	6	26	122	25	687	65,987	226,564	296,847	23,233	835,579	515,499
Signs and advertising novelties	24	69	459	-------	306	200,017	507,558	546,758	14,652	1,747,136	1,185,726
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	13	401	1,941	2,745	851	932,150	2,392,591	4,114,450	146,974	10,178,825	5,917,401
Stereotyping and electrotyping, not done in printing establishments [1]	6	24	72	-------	268	105,130	131,696	55,573	11,348	444,722	377,801
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	24	342	1,438	1,355	2,797	981,078	2,241,902	4,607,678	126,864	10,326,188	6,691,646
Suspenders, garters, and other elastic woven goods, made from purchased webbing	4	2	5	-------	4	[3]	5,045	23,346	276	49,924	26,302
Tools, not including edge tools, machine tools, files, or saws [2]	11	151	538	-------	928	536,554	752,469	1,029,505	41,784	4,162,031	3,090,742
Toys (not including children's wheel goods or sleds), games, and playground equipment	5	39	74	-------	150	82,830	85,696	134,322	7,073	416,857	275,462
Trunks, suitcases, and bags	11	141	622	555	432	496,373	711,058	1,683,331	25,343	4,032,224	2,323,550
Wall plaster, wall board, insulating board, and floor composition	4	19	39	-------	486	51,236	51,454	260,304	11,297	681,387	409,786
Wirework, not elsewhere classified	7	23	154	-------	104	49,826	140,593	195,394	7,225	455,289	252,670
Other industries	363	5,987	31,891	58,202	94,292	14,968,119	47,416,547	138,848,432	9,573,336	282,733,313	134,311,545

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside the Milwaukee Industrial Area have been included with those for the area, as specified in footnotes 1 and 2, to avoid disclosing data for the establishments in question.

[1] Includes data for 1 establishment located outside the Milwaukee Industrial Area.

[2] Includes data for 2 establishments located outside the Milwaukee Industrial Area.

[3] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

KENOSHA COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
All industries, total	62	847	11,544	17,895	28,528	3,660,998	18,410,702	58,691,832	1,686,433	97,582,456	37,204,191

MILWAUKEE COUNTY

[The totals for all industries do not include data for a few establishments located outside the county (see footnotes 4 and 5), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	1,939	23,410	117,658	130,060	291,621	*Dollars* 62,237,660	*Dollars* 170,962,354	*Dollars* 460,428,914	*Dollars* 17,745,018	*Dollars* 912,261,503	*Dollars* 434,087,571
Belting, leather	4	6	24	-------	77	14,977	31,868	198,439	1,402	294,433	94,692
Beverages	25	126	372	2,304	241	337,214	563,497	2,075,116	104,001	5,335,658	3,134,641
Blacking, stains, and dressings	4	20	29	-------	121	61,022	43,809	206,048	4,063	449,870	239,759
Bookbinding and blank-book making	16	126	488	-------	343	263,433	577,061	699,968	17,172	2,083,545	1,366,405
Boot and shoe findings, not made in boot and shoe factories	7	39	276	275	181	103,915	269,309	1,202,030	22,072	1,788,039	563,937
Boxes, paper, not elsewhere classified	10	238	1,195	380	1,092	703,402	1,278,920	4,431,084	65,040	7,353,925	2,857,801
Boxes, wooden, except cigar boxes	10	70	508	1,744	1,004	205,935	562,956	1,179,392	30,239	2,165,298	955,667
Bread and other bakery products	370	343	2,921	950	3,268	867,862	3,765,148	9,328,212	433,001	21,914,051	12,157,838
Brooms	6	5	19	-------	14	7,221	28,729	34,617	885	124,064	88,562
Brushes, other than rubber [4]	9	37	144	-------	302	74,492	146,231	258,981	7,943	569,328	302,404
Butter	8	52	249	1,208	1,467	127,037	434,881	2,916,742	25,672	4,243,524	1,301,110
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	4	19	173	135	131	41,089	177,190	797,476	9,365	1,294,222	487,381
Caskets, coffins, burial cases, and other morticians' goods	3	24	87	125	322	65,974	122,370	213,766	8,319	635,813	413,728

See footnotes at end of this section, p. 570.

TABLE 13.—GENERAL STATISTICS FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY OF POWER EQUIPMENT)		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
MILWAUKEE COUNTY—Continued											
						Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Chocolate and cocoa products, not including confectionery	3	32	103	1,050	618	99,928	95,094	1,688,607	22,383	2,381,760	770,870
Cigars and cigarettes	40	32	365		20	82,232	367,406	471,144	4,060	1,228,319	753,116
Cleaning and polishing preparations [4]	6	22	34		137	63,323	40,843	190,736	3,425	617,320	423,159
Clothing, (except work clothing), men's, youths', and boys', not elsewhere classified	28	165	1,972	265	563	620,488	2,036,116	5,662,378	53,181	9,909,906	4,194,347
Clothing, women's, not elsewhere classified [4]	24	139	830		164	282,149	619,100	1,602,145	16,325	3,235,188	1,616,718
Coffee and spice, roasting and grinding	10	35	73	150	283	94,579	83,275	2,514,988	18,397	3,415,979	882,594
Concrete products [4]	38	102	282	50	1,108	222,961	404,808	772,735	39,505	2,210,894	1,398,654
Confectionery	27	222	1,503	1,735	1,362	502,750	1,190,967	4,699,834	81,070	9,223,848	4,442,944
Cooperage	6	11	45	125	181	34,007	70,449	215,579	5,768	383,398	162,051
Cutlery (not including silver and plated cutlery) and edge tools	4	5	32		49	25,428	47,934	17,619	3,052	139,052	118,381
Electrical machinery, apparatus, and supplies	31	1,424	4,974	750	6,429	3,405,483	6,655,649	9,248,486	292,662	31,462,751	21,921,603
Electroplating	7	15	108		450	50,486	134,480	39,190	14,643	333,895	280,062
Engraving, steel and copperplate, and plate finishing	4	12	56		22	42,452	52,706	56,763	1,120	270,867	212,984
Fancy and miscellaneous articles, not elsewhere classified	6	14	100		7	43,467	64,828	159,130	1,694	341,875	181,051
Flavoring extracts and flavoring sirups [3]	17	146	372	3,118	1,718	421,302	566,751	1,450,253	139,193	3,754,507	2,165,061
Foundry and machine-shop products, not elsewhere classified	121	3,895	15,040	20,595	23,530	9,865,156	23,300,617	39,240,436	1,923,209	98,142,134	56,978,489
Fur goods	25	63	202		134	190,765	367,031	707,479	14,960	1,445,824	723,385
Furniture, including store and office fixtures	38	248	1,560	1,269	1,423	636,140	2,051,137	3,054,355	92,320	7,485,213	4,338,638
Gas and electric fixtures; lamps, lanterns, and reflectors [4]	17	124	368		337	343,930	500,332	860,565	32,383	2,195,434	1,302,486
Glass products (except mirrors) made from purchased glass [4]	12	18	77		73	45,241	134,338	133,715	4,524	408,586	270,347
Gloves and mittens, leather	9	88	728	100	179	302,378	621,661	1,575,297	13,754	3,054,945	1,465,894
Grease and tallow, not including lubricating greases	3	7	34		323	18,499	48,300	313,913	14,874	494,619	165,832
Hats and caps, except felt and straw, men's	10	28	81		34	90,786	114,041	196,302	3,818	474,545	274,425
House-furnishing goods, not elsewhere classified [4]	11	28	168	150	101	158,745	107,348	523,601	9,021	991,668	459,046
Ice cream	5	78	313	225	2,865	173,307	466,652	1,955,551	82,213	4,181,816	2,144,052
Ink, printing [4]	4	12	12		75	53,017	13,142	58,017	1,698	161,745	102,030
Iron and steel: Steel works and rolling mills	14	613	4,985	17,740	28,694	1,838,038	8,942,783	10,521,861	1,592,510	28,507,191	16,302,820
Leather: Tanned, curried, and finished [4]	14	368	2,619	11,602	3,340	1,136,500	3,301,598	13,110,584	372,329	20,262,844	6,779,931
Lithographing	11	150	621		831	513,570	993,349	1,329,226	36,618	3,951,742	2,585,898
Machine-tool accessories and small metal-working tools, not elsewhere classified	20	53	255		749	193,757	483,627	180,382	24,761	1,340,781	1,135,638
Machine tools	7	238	1,108	1,050	1,336	690,635	1,752,195	1,571,111	54,462	5,666,822	4,041,249
Malt	4	38	107	2,680		216,355	180,907	4,771,789	154,546	6,034,682	1,108,347
Marble, granite, slate, and other stone products	15	75	324	375	1,953	260,134	602,715	713,771	39,228	1,885,813	1,132,814
Meat packing, wholesale [4]	15	635	2,385	2,851	4,131	1,317,061	3,340,814	64,811,789	422,077	74,436,797	9,202,931
Millinery	9	77	952	110	462	308,208	945,999	1,916,128	28,538	3,787,013	1,842,347
Models and patterns, not including paper patterns	28	63	366		548	204,125	716,172	221,609	20,129	1,488,458	1,246,720
Motor-vehicle bodies and motor-vehicle parts	19	1,082	10,440	2,075	91,132	3,551,698	18,275,046	36,927,509	1,126,789	69,716,770	31,662,472
Motor vehicles, not including motorcycles	5	335	2,778		9,916	855,323	4,077,125	34,177,960	225,631	54,713,679	20,310,088
Paper goods, not elsewhere classified	7	91	336	152	508	241,301	336,446	1,177,942	28,373	2,603,118	1,396,803
Patent or proprietary medicines and compounds	15	47	54	40	44	94,847	49,572	290,448	2,974	624,544	331,122
Photo-engraving, not done in printing establishments [4]	13	89	210		123	259,237	539,846	149,489	11,606	1,150,233	989,138
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	44	336	1,687	2,025	3,061	1,082,026	2,472,599	3,659,053	78,796	8,846,904	5,109,055
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	8	113	824	150	1,687	316,518	1,323,227	1,254,793	172,468	3,752,287	2,325,026
Printing and publishing, newspaper and periodical	44	1,600	1,012		2,630	3,708,118	2,281,954	3,474,943	120,611	15,524,660	11,929,106
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment	4	25	83		171	90,976	155,829	188,570	5,209	570,915	377,136
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments [4]	20	74	322	305	1,229	238,552	507,355	3,822,673	62,075	5,252,970	1,368,222
Signs and advertising novelties	19	67	451		297	194,059	496,995	511,635	14,183	1,654,238	1,128,420
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering [4]	13	401	1,941	2,745	851	932,150	2,392,591	4,114,450	146,974	10,178,825	5,917,401
Stereotyping and electrotyping, not done in printing establishments [4]	6	24	72		268	105,130	131,696	55,573	11,348	444,722	377,801
Stoves and ranges (other than electric) and warm-air furnaces	9	325	1,677	765	4,063	783,994	1,935,530	3,177,356	180,582	8,961,028	6,603,090
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills [4]	24	342	1,438	1,355	2,797	981,078	2,241,902	4,607,678	126,864	10,326,188	5,691,646
Suspenders, garters, and other elastic woven goods, made from purchased webbing	4	2	5		4	(6)	5,045	23,346	276	49,924	26,302
Toys (not including children's wheel goods or sleds), games, and playground equipment	5	39	74		150	82,830	85,696	134,322	7,073	416,857	275,462
Wall plaster, wall board, insulating board, and floor composition	4	10	39		486	51,236	51,454	260,304	11,297	681,387	409,786
Other industries	575	8,094	45,028	47,337	80,338	21,499,002	64,811,990	163,413,422	9,100,597	335,841,353	163,327,334

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

The figures for a few establishments located outside the county have been included with those for the county, as specified in footnotes 4 and 6, to avoid disclosing data for the establishments in question.

[4] Includes data for 1 establishment located outside Milwaukee County.

[5] Includes data for 2 establishments located outside Milwaukee County.

[6] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY OF POWER EQUIPMENT)		Salaries	Wages	Cost of materials and containers for products [a]	Cost of fuel and purchased electric energy	Value of products [a]	Value added by manufacture [b]
				Prime movers	Electric motors driven by purchased energy						
RACINE COUNTY											
[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—"Foundry and machine-shop products, not elsewhere classified," as measured by number of wage earners, and "Motor vehicles, not including motorcycles," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]										
All industries, total	217	3,314	15,658	22,741	34,102	*Dollars* 7,922,058	*Dollars* 21,972,011	*Dollars* 75,080,699	*Dollars* 2,591,803	*Dollars* 156,649,810	*Dollars* 78,977,308
SHEBOYGAN COUNTY											
All industries, total	248	1,180	10,000	16,632	10,228	*Dollars* 2,754,476	*Dollars* 12,478,285	*Dollars* 28,027,622	*Dollars* 1,315,233	*Dollars* 65,648,246	*Dollars* 26,205,391
Beverages	8	12	71	413	237	23,497	98,561	271,069	26,778	779,353	481,606
Boots and shoes, other than rubber	4	46	448		279	92,611	462,213	1,615,081	15,799	2,617,875	886,995
Bread and other bakery products	8	16	77		130	36,225	114,481	272,011	15,687	510,479	222,781
Butter	4	17	57		411	28,920	72,199	1,198,338	25,236	1,462,387	238,813
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	10	39	240	655	452	71,101	196,062	819,613	20,506	1,511,413	671,294
Cheese	87	9	62	408	147	1,065	64,548	2,569,717	37,764	2,962,937	355,456
Cigars and cigarettes	6		13		3		11,895	22,713	499	60,872	37,660
Concrete products	6	9	15	2	67	11,784	14,362	19,652	1,453	67,034	46,029
Foundry and machine-shop products, not elsewhere classified	12	51	240		835	116,964	327,748	260,394	28,825	1,253,799	964,580
Furniture, including store and office fixtures	25	385	2,616	4,284	2,012	895,581	2,648,369	4,003,427	135,680	9,990,142	6,851,035
Printing and publishing, hook and job	9	17	54		69	39,587	64,323	105,721	3,221	284,003	175,061
Other industries	69	579	6,117	10,870	6,686	1,437,141	8,403,524	16,869,986	1,003,785	34,147,952	16,274,181
WINNEBAGO COUNTY											
All industries, total	214	1,483	10,491	33,766	16,313	*Dollars* 3,704,451	*Dollars* 11,438,928	*Dollars* 33,785,973	*Dollars* 1,647,173	*Dollars* 63,244,885	*Dollars* 27,911,739
Beverages	6	5	18	170	44	8,537	26,063	33,465	6,025	104,013	64,523
Bread and other bakery products	13	11	81		123	22,868	104,755	281,155	15,246	505,127	208,726
Butter	8	7	28	85	95	15,074	51,840	1,196,918	21,710	1,352,268	133,640
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	3	14	55	166	368	26,500	43,496	269,564	6,663	471,702	195,475
Cheese	31	2	13	139	38	[7]	16,751	764,932	11,562	908,301	131,807
Cigars and cigarettes	5	5	15		1	7,460	14,040	29,672	675	67,387	37,040
Confectionery	7	6	45		66	10,092	44,117	100,660	6,609	189,322	82,053
Foundry and machine-shop products, not elsewhere classified	14	77	405	75	1,149	256,657	554,586	786,826	50,771	2,329,455	1,491,858
Fur goods	3	5	30		5	8,257	38,678	44,713	1,746	129,205	82,746
Furniture, including store and office fixtures	4	46	330	285	1,075	100,884	340,446	504,835	34,901	1,200,868	661,132
Paper	9	207	1,838	17,735	4,604	630,310	2,209,341	8,763,432	839,210	16,395,620	6,792,978
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	10	185	1,338	4,405	931	556,683	1,440,013	3,055,951	74,089	5,950,055	2,820,015
Other industries	101	913	6,295	10,706	7,814	2,061,129	6,654,802	17,953,850	477,966	33,641,662	15,209,746

[a] See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.

[b] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

[7] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

WYOMING

TABLE 1.—SUMMARY FOR THE STATE: 1899 to 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments with products valued at $500 or more, whereas the corresponding limit for 1921 and subsequent years was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year) [1]	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT			Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products [2]	Value added by manufacture [3]
			Total	Prime movers	Motors driven by purchased energy		Total [3]	Materials and containers	Fuel and purchased energy		
1929	248	6,258	46,677	28,715	17,962	$10,255,365	$62,720,084	$60,033,573	$2,686,511	$96,348,076	$33,627,992
1927	229	5,577	40,191	29,373	10,818	9,066,022	63,741,234	60,846,173	2,895,061	85,368,360	21,627,126
1925	224	6,333	28,721	19,044	9,677	10,526,253	76,073,349	[4]	[4]	107,984,752	31,911,403
1923	246	7,510	23,959	16,040	7,919	12,501,584	69,694,623	[4]	[4]	110,631,659	40,937,036
1921	254	7,254	[5]	[5]	[5]	13,890,314	48,320,446	[4]	[4]	80,246,919	31,926,473
1919	576	6,634	17,864	10,364	7,500	11,188,979	42,250,628	40,510,297	1,740,231	81,445,394	39,194,866
1914	337	2,989	10,004	8,828	1,176	2,311,754	5,559,387	5,207,921	351,466	11,223,415	5,664,028
1909	268	2,867	7,628	7,114	514	2,080,763	2,608,189	2,420,903	187,286	6,249,078	3,640,889
1904	169	1,834	3,604	3,558	46	1,261,122	1,300,773	1,227,073	73,700	3,523,260	2,222,487
1899	139	2,060	3,820	3,813	7	1,209,123	1,369,730	[4]	[4]	3,268,655	1,898,825
	PER CENT OF INCREASE OR DECREASE (—)										
1927–1929	8.3	12.2	16.1	−2.2	66.0	13.1	−1.6	−1.3	−7.2	12.9	65.5
1925–1927	2.2	−11.9	39.9	64.2	11.8	−13.9	−16.2			−20.9	−32.2
1923–1925	−8.9	−15.7	19.9	18.7	22.2	−15.8	9.2			−2.4	−22.0
1921–1923	−3.1	3.5				−10.0	44.2			37.9	28.2
1919–1921	−55.9	9.3				24.1	14.4			−1.5	−18.5
1919–1929	−56.9	−5.7	161.3	177.1	[6] 139.6	−8.3	48.4	48.2	54.4	18.3	−14.2
1909–1919	114.9	131.4	134.2	45.7	1,359.1	437.7	1,519.9	1,673.4	829.2	1,203.3	976.5
1899–1909	92.8	39.2	99.7	86.6	[7]	72.1	90.4			91.2	91.7

[1] Not including salaried employees.
[2] The aggregates for cost of materials, etc., and value of products, include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[4] Not reported separately.
[5] Not called for on schedule.
[6] No comparable data.
[7] Per cent not computed where base is less than 100.

TABLE 2.—SUMMARY FOR COUNTIES: 1929

[This table gives statistics for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing an approximation of the data supplied by individual establishments. Certain of the other counties, however, reported larger numbers of wage earners or larger values of products than some of the counties shown separately. It is the practice of the Bureau of the Census to publish summary statistics of manufactures for all cities having 10,000 inhabitants or more. Two such cities, namely, Caspar and Cheyenne, are located in Wyoming; but it has been necessary to withhold from publication the figures for these cities in order to avoid disclosing an approximation of the data reported by individual establishments]

COUNTY	Population, 1930	Number of establishments	Wage earners (average for the year) [1]	Horsepower [2]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
The State	225,565	248	6,258	46,677	$10,255,365	$62,720,084	$60,033,573	$2,686,511	$96,348,076	$33,627,992
Albany	12,041	26	770	6,525	1,316,606	3,107,219	2,855,717	251,502	5,641,686	2,534,467
Big Horn	11,222	12	312	3,523	498,946	3,993,206	3,814,211	178,995	6,978,403	2,985,197
Carbon	11,391	14	289	2,972	537,144	2,381,901	2,278,273	103,628	4,317,087	1,935,186
Converse	7,145	7	90	684	152,750	1,664,830	1,514,495	150,335	2,860,832	1,196,002
Crook	5,333	7	91	444	111,475	67,548	67,163	385	237,209	169,661
Fremont	10,490	12	253	480	320,069	617,242	603,390	13,852	1,015,564	398,322
Hot Springs	5,476	5	12	62	16,657	35,611	34,651	960	92,156	56,545
Johnson	4,816	3	57	128	77,675	34,280	33,076	1,204	136,836	102,556
Laramie	26,845	22	1,073	4,498	1,545,368	1,937,605	1,777,541	160,064	4,279,768	2,342,163
Lincoln	10,894	10	32	165	40,286	352,207	339,795	12,412	435,651	83,444
Park	8,207	9	49	659	78,612	394,940	381,836	13,104	564,975	170,035
Platte	9,695	7	25	84	27,871	27,100	25,665	1,435	84,436	57,336
Sheridan	16,875	30	569	2,503	837,270	3,365,463	3,236,243	129,220	4,926,739	1,561,276
Suhlette	1,944	5	113	242	98,191	69,264	65,669	3,595	286,800	217,536
Sweetwater	18,165	11	343	847	731,544	563,247	553,983	9,264	1,390,045	826,798
Uinta	6,572	7	244	738	367,850	583,822	552,402	31,420	1,046,631	462,809
Weston	4,673	8	20	635	21,837	199,353	193,819	5,504	299,100	99,747
All other counties [3]	53,751	53	1,916	21,588	3,475,214	43,325,216	41,705,614	1,619,632	61,754,158	18,428,912

[1] Not including salaried employees.
[2] Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
[3] Campbell, Goshen, Natrona, Niobrara, Teton, and Washakie Counties. (See headnote.)

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES			PROPRIETORS AND FIRM MEMBERS			PRINCIPAL SALARIED OFFICERS OF CORPORATIONS			OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 [1]	7,281	7,093	188	127	120	7	71	67	4	825	715	110	6,258	[2] 6,191	[2] 67
1919 [1, 3]	8,095	7,787	308	567	551	16	40	39	1	854	652	202	6,634	6,545	89
1914 [3]	3,696	3,578	118	293	278	15	31	31		383	336	47	2,989	2,933	56
1909	3,393	3,313	80	263	257	6	19	19		244	216	28	2,867	2,821	46

[1] No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
[2] Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
[3] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures]

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Per cent minimum is of maximum
		January	February	March	April	May	June	July	August	September	October	November	December	
1929 [1]	6,258	5,997	5,820	*5,804*	5,957	6,050	6,231	6,473	6,406	6,427	**7,000**	6,837	6,094	82.9
1919 [1]	6,634	5,876	*5,804*	5,853	5,939	5,996	6,409	6,885	7,216	7,127	**7,509**	7,560	7,434	76.8
1914 [1]	2,989	2,663	*2,641*	2,815	2,736	2,646	2,882	3,230	**3,352**	3,347	3,279	3,207	3,070	78.8
1909 [1]	2,867	2,496	*2,481*	2,642	2,642	2,783	2,983	2,957	3,042	3,132	3,031	**3,137**	3,065	79.1

[1] The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establishments	Wage earners (average for the year)
All classes	248	6,258	45 and over but under 48	5	940
			48	76	2,350
Not reported	41	81	Over 48 but under 54	12	195
Under 40	[1] 4	[1] 8	54	22	425
40			Over 54 but under 60	31	1,371
Over 40 but under 44			60 and over	37	729
44 and over but under 45	20	159			

[1] Combined to avoid disclosing an approximation of the data for individual establishments.

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	248	576	268	6,258	6,634	2,867	51 to 100	12	7	2	853	468	130
							101 to 250	13	6	8	2,071	1,170	1,347
No wage earners	10	112	40				251 to 500	[1] 4	3		[1] 2,081	1,260	
1 to 5	152	377	191	378	668	364	501 to 1,000			1			753
6 to 20	44	63	25	458	650	239	1,001 to 2,500		2			2,232	
21 to 50	13	6	1	417	186	34							

[1] Combined to avoid disclosing approximations of the data for individual establishments.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE [1]		
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	248	576	268	6,258	6,634	2,867	$96,348,076	$81,445,394	$6,249,078	$33,627,992	$39,194,866	$3,640,889
Less than $5,000	(2)	195	141	(2)	103	161	(2)	496,813	343,444	(2)	317,442	242,297
$5,000 to $19,999	101	235	86	208	447	231	1,069,273	2,446,419	771,778	712,405	1,455,856	483,792
$20,000 to $99,999	90	108	24	615	660	260	4,067,523	4,368,998	913,075	2,048,667	2,094,695	494,471
$20,000 to $49,999	60	(3)	(3)	307	(3)	(3)	2,024,751	(3)	(3)	1,047,130	(3)	(3)
$50,000 to $99,999	30	(3)	(3)	308	(3)	(3)	2,042,772	(3)	(3)	1,001,537	(3)	(3)
$100,000 to $499,999	36	38	17	1,285	5,424	2,215	8,309,020	74,133,164	4,220,781	4,410,262	35,326,873	2,414,329
$100,000 to $249,999	21	(3)		559	(3)		3,361,975	(3)		1,783,630	(3)	
$250,000 to $499,999	15	(3)		726	(3)		4,947,045	(3)		2,626,632	(3)	
$500,000 to $999,999	7			924			5,196,872			1,947,297		
$1,000,000 and over	14			3,226			77,705,388			24,509,361		
$1,000,000 to $2,499,999	6	(3)	(3)	643	(3)	(3)	9,261,276	(3)	(3)	3,260,038	(3)	(3)
$2,500,000 to $4,999,999	4	(3)	(3)	1,423	(3)	(3)	12,304,492	(3)	(3)	4,793,114	(3)	(3)
$5,000,000 and over	4	(3)	(3)	1,160	(3)	(3)	56,139,620	(3)	(3)	16,456,209	(3)	(3)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[2] No data.
[3] Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at $500 or more, whereas the corresponding limit for 1929 was $5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER OF ESTABLISHMENTS		WAGE EARNERS (AVERAGE FOR THE YEAR)		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	248	576	6,258	6,634	$96,348,076	$81,445,394	$33,627,992	$39,194,866
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control	121	165	5,872	6,014	93,625,661	77,333,678	32,216,851	37,047,616
Other forms of ownership or control (individual, partnership, etc.)	127	411	386	620	2,722,415	4,111,716	1,411,141	2,147,250
TYPE OF OPERATION								
Central-administrative-office (plural-unit)	57	(1)	5,023	(1)	87,789,085	(1)	29,346,074	(1)
Independent (single-unit)	191	(1)	1,235	(1)	8,558,991	(1)	4,281,918	(1)

[1] Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE: 1929, 1927, 1925, 1919, AND 1914

CENSUS YEAR	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED IN ESTABLISHMENTS REPORTING	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total horsepower of prime movers	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines				
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
1929	46,677	28,715	127	10,374	107	15,396	43	2,782	4	163	1,740	17,962	1,017	14,277
1927	40,191	29,373	123	11,868	84	14,689	62	2,623	5	193	1,162	10,818	945	12,957
1925	28,721	19,044	93	9,357	29	7,653	54	1,927	4	107	1,057	9,677	374	6,773
1919 [1]	17,864	10,364	132	[2] 7,030	16	1,225	129	1,718	15	391	898	7,500	137	1,740
1914 [1]	10,004	8,828	[2] 156	[2] 6,925	(3)	(3)	73	1,366	22	537	212	1,176	52	515

[1] Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
[2] Reported as "Steam engines and turbines."
[3] Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See headnote on that table]

COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—plant energy [1]
	Aggregate	Prime movers	Electric motors	
The State	46,677	28,715	17,962	14,277
Counties				
Albany	6,525	1,044	5,481	453
Big Horn	3,523	3,261	262	769
Carbon	2,972	2,646	326	1,769
Converse	684	402	282	----------
Crook	444	428	16	----------
Fremont	480	60	420	----------
Hot Springs	62	25	37	----------
Johnson	128	110	18	----------
Counties—Continued				
Laramie	4,498	112	4,386	227
Lincoln	165	145	20	----------
Park	659	85	574	----------
Platte	84	----------	84	----------
Sheridan	2,503	1,041	1,462	377
Sublette	242	242	----------	----------
Sweetwater	847	150	697	49
Uinta	738	14	724	----------
Weston	535	465	70	----------
All other counties [2]	21,588	18,485	3,103	10,633

[1] Horsepower of electric motors driven by energy generated in establishments reporting. [2] Campbell, Gosben, Natrona, Niobrara, Teton, and Wasbakie Counties.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in tbis table cover tbe consumption of fuel and purchased electric energy for all purposes—power, beat, light, etc. For county figures, see Cbapter VII Volume I, Reports of the Census of Manufactures, 1929]

KIND	1929		1927 [1]	1923 [1]	1919 [1]	1914 [1]	1909 [1]
	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:							
Coal, total [2] (tons, 2,000 pounds)	156,521	$437,164	115,580	122,428	116,035	102,725	591,611
Anthracite (tons, 2,240 pounds)	134	1,303	[3]	374	70	102	621
Bituminous (tons, 2,000 pounds)	156,371	435,861	[3]	122,009	115,957	102,611	590,915
Coke (tons, 2,000 pounds)	4,057	49,726	[4]	[4]	2,660	638	307
Fuel oils, including crude oils and gas oils (gallons) [5]	29,838,434	511,965	[4]	[4]	53,825,520	10,911,852	56,952
Gasoline and kerosene (gallons) [5]	21,413	3,254	[4]	[4]	89,544		
Gas, natural (M cubic feet)	14,711,263	1,689,002	[4]	[4]	4,793,519	4,552	100
Gas, manufactured (M cubic feet)	3,813,304	547,670	[4]	[4]			
Other fuels	----------	105,247	[4]	[4]	[4]	[4]	[4]
Electric energy purchased (kilowatt-hours)	22,509,462	385,145	[6]	[4]	[4]	[4]	[4]
		Cost	*Cost*	*Cost*	*Cost*	*Cost*	*Cost*
Total cost of fuel and purchased energy		[7] 3,729,173	$2,895,061	[3]	$1,740,231	$351,466	$187,286

[1] No data on cost of fuel, by kinds, were collected for years prior to 1929.
[2] Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
[3] Not tabulated separately.
[4] No data.
[5] For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
[6] Data incomplete.
[7] The difference between tbis total and tbe corresponding one given in Tables 1, 2, and 12 is due to the inclusion bere of the cost of fuel produced and consumed in the same establishments.
[8] Not reported separately.

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents statistics for all industries for whicb separate figures can be given without disclosing, exactly or approximately, tbe data reported by individual establishments. Certain of the "Other industries," however, reported larger numbers of wage earners or larger values of products than some of tbose sbown separately]

INDUSTRY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products [1]	Cost of fuel and purchased electric energy	Value of products [1]	Value added by manufacture [2]
				Prime movers	Electric motors driven by purchased energy						
All industries, total	248	896	6,258	28,715	17,962	$2,288,632	$10,255,365	$60,033,573	$2,686,511	$96,348,076	$33,627,992
Beverages	8	4	14	5	45	8,418	19,921	41,291	2,866	119,945	75,788
Bread and other bakery products	37	10	152	----------	239	29,900	215,781	597,467	35,911	1,198,983	565,605
Butter	17	23	43	46	305	48,332	59,027	1,055,131	20,408	1,369,218	293,679
Car and general construction and repairs, steam-railroad repair sbops	13	181	2,213	392	6,524	544,928	3,602,698	3,200,049	288,966	7,636,683	4,147,668
Cheese	7	3	25	43	5	2,185	30,091	395,213	14,424	475,181	65,544
Clay products (other than pottery) and non-clay refractories	5	13	50	300	387	20,653	78,107	11,996	22,553	163,643	129,094
Concrete products	3	2	17	10	44	[3]	21,640	53,895	760	103,871	49,216
Flour and other grain-mill products	10	24	38	528	167	42,965	50,606	562,584	12,599	830,336	255,153
Ice, manufactured	7	9	28	420	340	27,518	38,973	10,826	26,537	152,733	115,370
Lumber and timber products, not elsewhere classified	24	31	793	1,121	300	96,573	1,037,286	210,700	3,151	1,391,259	1,177,408
Meat packing, wholesale	4	13	52	166	197	55,493	83,916	954,677	10,379	1,277,166	312,110
Petroleum refining	17	259	1,679	20,251	2,989	738,912	3,226,217	45,541,228	1,672,166	68,846,821	21,633,427
Planing-mill products (including general mill-work), not made in planing mills connected witb sawmills	4	3	23	----------	164	6,860	37,409	57,500	1,726	133,766	74,540
Printing and publishing, book and job	10	16	46	----------	112	41,381	93,442	70,164	5,252	265,163	189,747
Printing and publishing, newspaper and periodical	46	118	174	6	439	244,491	351,430	189,700	20,587	1,292,189	1,081,902
Wood preserving	3	17	144	----------	464	33,887	200,211	2,046,955	27,605	2,308,658	234,098
Other industries	33	170	767	5,427	5,241	346,136	1,108,610	5,034,197	520,621	8,782,461	3,227,643

[1] The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of tbe products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products.
[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.
[3] Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

APPENDIXES

A. Lists of Industries, with Descriptions.

B. General Schedule.

APPENDIX A

LISTS OF INDUSTRIES, WITH DESCRIPTIONS

INDUSTRIES, 1929—ALPHABETICAL LIST

[The figure or figures *preceding* the last two in each industry number indicate the group number]

Industry No.	INDUSTRY
1301	Agricultural implements.
1401	Aircraft and parts.
601	Alcohol, ethyl, and distilled liquors.
1201	Aluminum manufactures.
602	Ammunition and related products.
1601	Artificial and preserved flowers and plants.
201	Artificial leather.
1603	Artists' materials.
1001	Ashestos products, other than steam packing or pipe and boiler covering.
202	Asphalted-felt-base floor covering.
203	Awnings, tents, sails, and canvas covers.
204	Bags, other than paper, not made in textile mills.
401	Bags, paper, exclusive of those made in paper mills.
603	Baking powders, yeast, and other leavening compounds.
301	Baskets and rattan and willow ware, not including furniture.
901	Belting, leather.
205	Belting other than leather and ruhher, not made in textile mills.
101	Beverages.
302	Billiard and pool tahles, howling alleys, and accessories.
604	Blacking, stains, and dressings.
605	Bluing.
1101	Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills.
606	Bone black, carhon black, and lampblack.
501	Bookhinding and blank-book making.
902	Boot and shoe cut stock, not made in boot and shoe factories.
903	Boot and shoe findings, not made in boot and shoe factories.
904	Boots and shoes, other than ruhher.
801	Boots and shoes, rubber.
303	Boxes, cigar, wooden.
402	Boxes, paper, not elsewhere classified.
304	Boxes, wooden, except cigar hoxes.
102	Bread and other bakery products.
1604	Brooms.
1605	Brushes, other than rubber.
103	Butter.
1606	Buttons.
607	Candles
104	Canning and preserving: Fish, crabs, shrimps, oysters, and clams.
105	Canning and preserving: Fruits and vegetahles; pickles, jellies, preserves, and sauces.
1501	Car and general construction and repairs, electric-railroad repair shops.
1502	Car and general construction and repairs, steam-railroad repair shops.
1607	Carbon paper and inked ribbons.
403	Cardboard, not made in paper mills.
404	Card cutting and designing.
206	Carpets and rugs, rag.
207	Carpets and rugs, wool, other than rag.
1402	Carriage, wagon, sleigh, and sled materials.
1403	Carriages and sleds, children's.
1404	Carriages, wagons, sleighs, and sleds.
1405	Cars, electric and steam railroad, not built in railroad repair shops.
1302	Cash registers and adding, calculating, and card-tabulating machines.
305	Caskets, coffins, burial cases, and other morticians' goods.
1102	Cast-iron pipe.
1002	Cement.
106	Cereal preparations.
107	Cheese.
608	Chemicals, not elsewhere classified.
108	Chewing gum.
1003	China firing and decorating, not done in potteries.
109	Chocolate and cocoa products, not including confectionery.
1608	Cigars and cigarettes.
1004	Clay products (other than pottery) and nonclay refractories.
609	Cleaning and polishing preparations.
1202	Clocks, clock movements, time-recording devices, and time stamps.
208	Clothing (except work clothing), men's, youths', and hoys', not elsewhere classified.
209	Clothing, men's, huttonholes.
210	Clothing, women's, not elsewhere classified.
211	Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's.
212	Cloth sponging and refinishing.
110	Coffee and spice, roasting and grinding.
701	Coke, not including gas-house coke.
1203	Collapsible tubes.
213	Collars, men's.
1609	Combs and hairpins, not made from metal or rubber.
610	Compressed and liquefied gases.
1005	Concrete products.
111	Condensed and evaporated milk.
112	Confectionery.
306	Cooperage.
1204	Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified.
214	Cordage and twine.
307	Cork products.
113	Corn sirup, corn sugar, corn oil, and starch.
215	Corsets and allied garments.
216	Cotton goods.
217	Cotton small wares.
1006	Crucihles. .
1103	Cutlery (not including silver and plated cutlery) and edge tools.
1610	Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies.
1611	Dental goods and equipment.
1104	Doors, shutters, and window sash and frames, metal.
611	Druggists' preparations.
612	Drug grinding.
1677	Dyeing and cleaning establishments.
218	Dyeing and finishing textiles.
1303	Electrical machinery, apparatus, and supplies.
1205	Electroplating.
219	Embroideries.
1007	Emery wheels and other abrasive and polishing appliances.
1304	Engines, turbines, tractors, and water wheels.
502	Engravers' materials.
503	Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.
504	Engraving, steel and copperplate, and plate printing.
505	Engraving, wood.
405	Envelopes.
308	Excelsior.
613	Explosives.
1612	Fancy and miscellaneous articles, not elsewhere classified.
1613	Feathers, plumes, and manufactures thereof.
114	Feeds, prepared, for animals and fowls.
220	Felt goods, wool, hair, or jute.
614	Fertilizers.
1105	Files.
1106	Firearms.
1206	Fire extinguishers, chemical.
615	Fireworks.
221	Flags and banners.
115	Flavoring extracts and flavoring sirups.
222	Flax and hemp, dressed.
116	Flour and other grain-mill products.
117	Food preparations, not elsewhere classified.
1107	Forgings, iron and steel, not made in plants operated in connection with rolling mills.
1305	Foundry and machine-shop products, not elsewhere classified.
1614	Foundry supplies.
702	Fuel: Briquettes and boulets.
1615	Fur goods.
223	Furnishing goods, men's, not elsewhere classified.
309	Furniture, including store and office fixtures.
1616	Furs, dressed.
1108	Galvanizing and other coating, not done in plants operated in connection with rolling mills.
1207	Gas and electric fixtures; lamps, lanterns, and reflectors.

[The figure or figures *preceding* the last two in each industry number indicate the group number]

Industry No.	INDUSTRY
1306	Gas machines, gas meters, and water and other liquid meters.
703	Gas, manufactured, illuminating and heating.
1008	Glass.
1009	Glass products (except mirrors) made from purchased glass.
224	Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics.
905	Gloves and mittens, leather.
616	Glue and gelatin.
1208	Gold leaf and foil.
1209	Gold, silver, and platinum, reducing and refining, not from the ore.
1010	Graphite, ground and refined.
617	Grease and tallow, not including lubricating greases.
225	Haircloth.
1617	Hair work.
226	Handkerchiefs.
1618	Hand stamps and stencils and brands.
1109	Hardware not elsewhere classified.
227	Hat and cap materials, men's.
228	Hats and caps, except felt and straw, men's.
229	Hats, fur-felt.
1619	Hats, straw, men's.
230	Hats, wool-felt.
1012	Hones, whetstones, and similar products.
231	Horse blankets, fly nets, and related products.
232	House-furnishing goods, not elsewhere classified.
118	Ice cream.
119	Ice, manufactured.
618	Ink, printing.
619	Ink, writing.
1620	Instruments, professional and scientific.
1110	Iron and steel: Blast furnaces.
1111	Iron and steel, processed.
1112	Iron and steel: Steel works and rolling mills.
1621	Ivory, shell, and bone work, not including buttons, combs, or hairpins.
1210	Jewelry.
1622	Jewelry and instrument cases.
233	Jute goods.
234	Knit goods.
406	Labels and tags.
235	Lace goods.
1623	Lapidary work.
310	Lasts and related products.
906	Leather goods, not elsewhere classified.
907	Leather: Tanned, curried, and finished.
1013	Lime.
236	Linen goods.
237	Linoleum.
620	Liquors, vinous.
506	Lithographing.
1406	Locomotives, not made in railroad repair shops.
704	Lubricating oils and greases, not made in petroleum refineries.
311	Lumber and timber products, not elsewhere classified.
121	Macaroni, spaghetti, vermicelli, and noodles.
1318	Machine-tool accessories and small metal-working tools, not elsewhere classified.
1307	Machine tools.
122	Malt.
1014	Marble, granite, slate, and other stone products.
312	Matches.
238	Mats and matting, grass and coir.
1624	Mattresses and bed springs, not elsewhere classified.
123	Meat packing, wholesale.
239	Millinery.
1015	Minerals and earths, ground or otherwise treated.
313	Mirror and picture frames.
1016	Mirrors, framed and unframed.
1625	Models and patterns, not including paper patterns.
1626	Motion pictures, not including projection in theaters.
1407	Motor-vehicle bodies and motor-vehicle parts.
1408	Motor vehicles, not including motorcycles.
1409	Motorcycles, bicycles, and parts.
621	Mucilage, paste, and other adhesives, except glue and rubber cement.
1627	Musical instrument parts and materials: Piano and organ.
1628	Musical instruments and parts and materials, not elsewhere classified.
1629	Musical instruments: Organs.
1630	Musical instruments: Pianos.
1113	Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills.
1211	Needles, pins, hooks and eyes, and snap fasteners.
240	Nets and seines.
1212	Nonferrous-metal alloys and products, not including aluminum products.
622	Oil, cake, and meal, cottonseed.
623	Oil, cake, and meal, linseed.
624	Oils, essential.
625	Oils, not elsewhere classified.
241	Oilcloth.
124	Oleomargarine, not made in meat-packing establishments.
1631	Optical goods.
626	Paints and varnishes.
407	Paper.
408	Paper goods, not elsewhere classified.
627	Patent or proprietary medicines and compounds.
1632	Paving materials: Asphalt, tar, crushed slag, and mixtures.
125	Peanuts, walnuts, and other nuts, processed or shelled.
1633	Pencils, lead (including mechanical).
1634	Pens, fountain and stylographic; pen points, gold, steel, and brass.
628	Perfumes, cosmetics, and other toilet preparations.
705	Petroleum refining.
1635	Phonographs.
507	Photo-engraving, not done in printing establishments.
1636	Photographic apparatus and materials.
1637	Pipes (tobacco).
314	Planing-mill products (including general millwork), not made in planing mills connected with sawmills.
1213	Plated ware.
1114	Plumbers' supplies, not including pipe or vitreous-china sanitary ware.
908	Pocketbooks, purses, and cardcases.
1017	Pottery, including porcelain ware.
126	Poultry killing, dressing, and packing, wholesale.
1676	Power laundries.
508	Printing and publishing, book and job.
509	Printing and publishing, music.
510	Printing and publishing, newspaper and periodical.
511	Printing materials, not including type or ink.
315	Pulp goods.
410	Pulp (wood and other fiber).
1309	Pumps (hand and power) and pumping equipment.
629	Rayon and allied products.
316	Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment.
1310	Refrigerators, mechanical.
242	Regalia, badges, and emblems.
127	Rice cleaning and polishing.
1638	Roofing, built-up and roll; asphalt shingles; roof coatings other than paint.
802	Rubber goods other than tires, inner tubes, and boots and shoes.
803	Rubber tires and inner tubes.
909	Saddlery and harness.
1115	Safes and vaults.
630	Salt.
1018	Sand-lime brick.
1639	Sandpaper, emery paper, and other abrasive paper and cloth.
128	Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments.
1116	Saws.
1311	Scales and balances.
1117	Screw-machine products and wood screws.
1312	Sewing machines and attachments.
1410	Ship and boat building, steel and wooden, including repair work.
243	Shirts.
120	Shortenings (not including lard) and vegetable cooking oils.
1640	Signs and advertising novelties.
244	Silk and rayon manufactures.
1214	Silversmithing and silverware.
1215	Smelting and refining, copper.
1216	Smelting and refining, lead.
1217	Smelting and refining, metals other than gold, silver, or platinum, not from the ore.
1218	Smelting and refining, zinc.
631	Soap.
1641	Soda-water apparatus.
1642	Sporting and athletic goods, not including firearms or ammunition.
1118	Springs, steel, except wire, not made in plants operated in connection with rolling mills.
1219	Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering.
1643	Stationery goods, not elsewhere classified.
1019	Statuary and art goods, factory product.
1644	Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified.
1119	Steam fittings and steam and hot-water heating apparatus.
1120	Steel barrels, kegs, and drums.
512	Stereotyping and electrotyping, not done in printing establishments.

[The figure or figures *preceding* the last two in each industry number indicate the group number]

Industry No.	INDUSTRY
1121	Stoves and ranges (other than electric) and warm-air furnaces.
1122	Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills.
129	Sugar, beet.
130	Sugar, cane, not including products of refineries.
131	Sugar refining, cane.
1645	Surgical and orthopedic appliances, including artificial limbs.
245	Suspenders, garters, and other elastic woven goods, made from purchased webbing.
632	Tanning materials, natural dyestuffs, mordants and assistants, and sizes.
1313	Textile machinery and parts.
1646	Theatrical scenery and stage equipment.
1220	Tin and other foils, not including gold foil.
1123	Tin cans and other tinware, not elsewhere classified.
1124	Tin plate and terneplate, not made in plants operated in connection with rolling mills.
1647	Tobacco: Chewing and smoking, and snuff.
1125	Tools, not including edge tools, machine tools, files, or saws.
1648	Toys (not including children's wheel goods or sleds), games, and playground equipment.
246	Trimmings (not made in textile mills) and stamped art goods for embroidering.
910	Trunks, suitcases, and bags.
317	Turpentine and rosin.
513	Type founding.
1314	Typewriters and parts.
1649	Umbrellas, parasols, and canes.
247	Upholstering materials, not elsewhere classified.
132	Vinegar and cider.
411	Wall paper.
1020	Wall plaster, wall board, insulating board, and floor composition.
1315	Washing machines, wringers, driers, and ironing machines, for household use.
248	Waste.
1221	Watch and clock materials and parts, except watchcases.
1222	Watchcases.
1223	Watches and watch movements.
1650	Whips.
1316	Windmills and windmill towers.
318	Window and door screens and weather strip.
1651	Window shades and fixtures.
1126	Wire, drawn from purchased bars or rods.
1127	Wirework, not elsewhere classified.
633	Wood distillation and charcoal manufacture.
319	Wood preserving.
320	Wood turned and shaped and other wooden goods, not elsewhere classified.
249	Woolen goods.
250	Wool pulling.
251	Wool scouring.
252	Wool shoddy.
253	Worsted goods.
1128	Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills.

Lists of Industries, with Descriptions, by Groups: 1929

Industry Group 1.—FOOD AND KINDRED PRODUCTS

Industry No.	CLASSIFICATION
101	**Beverages.** Root beer, ginger ale, grape juice, cereal beverages, "near beer," etc. (Sirups for use in flavoring soda-fountain drinks are classified under flavoring extracts and flavoring sirups.)
102	**Bread and other bakery products.** Bread, biscuit, crackers, pretzels, pies, cake, etc. (*a*) Biscuit and crackers. (*b*) Bakery products, other than biscuit and crackers.
103	**Butter.**
104	**Canning and preserving: Fish, crabs, shrimps, oysters, and clams.** Canned, pickled, smoked, and dried fish, and canned crabs, lobsters, shrimps, oysters, and clams. (Does not include establishments engaged solely in shucking oysters.)
105	**Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces.** Canned and preserved fruits and vegetables; processed and dried fruits and vegetables; preserves, jellies, pickles, sauces, dressings, catsup, prepared mustard, etc.
106	**Cereal preparations.** Cereal breakfast foods, hominy, cracked wheat, rolled oats, hulled corn, self-raising flour, cereal coffee substitutes, etc.
107	**Cheese.**
108	**Chewing gum.**
109	**Chocolate and cocoa products, not including confectionery.** Chocolate, cocoa, cocoa butter, broma, and other products of the nut of the cacao tree.
110	**Coffee and spice, roasting and grinding.**
111	**Condensed and evaporated milk.** Condensed milk, evaporated milk, powdered milk, sugar of milk; dried casein (not plastic).
112	**Confectionery.** Confectionery of all kinds, and stick licorice, corn balls, salted nuts, etc.
113	**Corn sirup, corn sugar, corn oil, and starch.** Corn sirup; corn sugar; corn, wheat, potato, and root starch; corn oil; corn-oil cake and meal; etc.
114	**Feeds, prepared, for animals and fowls.** Feeds prepared from ground grain and other ingredients such as alfalfa, molasses, bone meal, etc.; ground oyster shells.
115	**Flavoring extracts and flavoring sirups.** Flavoring extracts, pastes, and powders; colors for bakers and confectioners, flavoring sirups, and crushed fruits for soda-fountain use.
116	**Flour and other grain-mill products.** Wheat, corn, rye, buckwheat, rice, and barley, flour and meal; cracked corn, shorts, middlings, feed for livestock, etc.
117	**Food preparations, not elsewhere classified.** All food preparations for human consumption, not classifiable in any of the other industries in Group 1. Meat products such as boiled and boneless ham; blended and compounded sirups for table use; peanut butter; preparations such as mincemeat, potato chips, and plum and fig puddings; malted-milk products; ice-cream cones, etc. Flavoring sirups, corn sirup, cane-sugar sirup, and beet-sugar sirup are *not* included, these products having separate classifications.
118	**Ice cream.**
119	**Ice, manufactured.** Ice manufactured for sale.
120	**Shortenings (not including lard) and vegetable cooking oils.** Shortenings compounded of both animal and vegetable oils and fats and those made of vegetable oils only; vegetable cooking oils and vegetable salad oils.
121	**Macaroni, spaghetti, vermicelli, and noodles.**
122	**Malt.** Malt, made chiefly from barley, but to some extent from other grains.
123	**Meat packing, wholesale.** This classification covers establishments engaged both in slaughtering cattle, hogs, sheep, or other animals and in preserving all or a part of the raw stock by canning, salting, smoking, or otherwise curing it for the trade; establishments which purchase raw stock from slaughterhouses and preserve it; and establishments engaged in wholesale slaughtering only.
124	**Oleomargarine, not made in meat-packing establishments.** Oleomargarine, butterine, etc., not including that made in meat-packing establishments.
125	**Peanuts, walnuts, and other nuts, processed or shelled.** Bleached and shelled walnuts; polished pecans; graded and shelled peanuts; etc.
126	**Poultry killing, dressing, and packing, wholesale.** This classification covers establishments with products valued at $20,000 or more, engaged primarily in poultry killing, dressing, and packing (including canning), for the wholesale trade.
127	**Rice cleaning and polishing.**
128	**Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments.** Sausage, meat puddings, headcheese, scrapple, etc., and sausage casings.
129	**Sugar, beet.**

Industry No. CLASSIFICATION

130 **Sugar, cane, not including products of refineries.**
This classification covers all establishments engaged primarily in the manufacture of sugar (raw or refined), molasses, and sirups, from cane.

131 **Sugar refining, cane.**
This classification embraces establishments engaged wholly or mainly in the refining of raw cane sugar, practically all of which is imported.

132 **Vinegar and cider.**

Industry Group 2.—TEXTILES AND THEIR PRODUCTS

201 **Artificial leather.**
All kinds of artificial or imitation leather, regardless of method of manufacture, materials, or use of finished product.

202 **Asphalted-felt-base floor covering.**
A product which resembles linoleum, made by printing or painting on the surface of a foundation of asphalted felt.

203 **Awnings, tents, sails, and canvas covers.**
Window, store, and veranda awnings; tents; sails; tarpaulins; and canvas covers. Small establishments making these goods to individual order are not included.

204 **Bags, other than paper, not made in textile mills.**
Meal bags, salt bags, gunny or jute bags, and all other bags made from materials other than paper.

205 **Belting other than leather and rubber, not made in textile mills.**
Belting made from duck canvas.

206 **Carpets and rugs, rag.**
Some of the establishments embraced in this classification manufacture carpets and rugs from materials supplied by others.

207 **Carpets and rugs, wool, other than rag.**
Carpets and rugs made chiefly of wool, and usually with a jute, cotton, or linen back. This industry does *not* include the manufacture of rag, cotton, or jute carpets and rugs, or floor coverings of grass or reeds.

208 **Clothing (except work clothing), men's, youths', and boys', not elsewbere classified.**
(*a*) Regular factories.
(*b*) Contract shops.

209 **Clothing, men's, buttonholes.**

210 **Clothing, women's, not elsewhere classified.**
Women's, misses', girls', and infants' suits, dresses, coats, cloaks, skirts, blouses, shirt waists, undergarments, petticoats, scarfs (except knitted), neckwear, etc.
(*a*) Regular factories.
(*b*) Contract shops.

211 **Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's.**

212 **Cloth sponging and refinishing.**
Sponging and refinishing cloth on contract. (This classification must not be confused with "Dyeing and finishing textiles.")

213 **Collars, men's.**

214 **Cordage and twine.**
Rope, cable, cordage, twine, binder twine, fish line, etc., braided or twisted, made from hemp, flax, cotton, manila, jute, and other fiber.

215 **Corsets and allied garments.**
Corsets, brassières, bandeaux, combinations, girdles, corset stays, etc.

216 **Cotton goods.**
All kinds of plain and fancy woven fabrics, in the piece or otherwise, over 12 inches in width; cotton felts; and yarn, thread, and cotton waste for sale.

217 **Cotton small wares.**
Narrow woven fabrics, not over 12 inches in width, and braids of every description. Woven belting and hose, elastic and nonelastic webbing, tape, trimmings, edgings, bindings, shoe laces, corset laces, wicks and wicking, etc.

218 **Dyeing and finishing textiles.**
Bleaching, dyeing, printing, mercerizing, spooling, warping, winding (except silk and rayon warping and winding), etc., of piece goods, yarn, stock, etc., of cotton, wool, silk, or other textile fiber.

219 **Embroideries.**
Schiffli embroideries and burnt-out laces; bonnaz and other hand-machine embroideries; hand embroideries.

Industry No. CLASSIFICATION

220 **Felt goods, wool, hair, or jute.**
Felt goods made of wool, hair, or jute, woven or made by the needle-loom process or by heat, moisture, and pressure.

221 **Flags and banners.**
Flags, banners, pennants, etc.

222 **Flax and hemp, dressed.**
Removal of seeds, dross, etc., and preparation of raw flax and hemp for factory use.

223 **Furnishing goods, men's, not elsewhere classified.**
Neckwear; belts, other than leather; bathrobes; lounging garments; sleeping garments; underwear (cut and sewed from purchased fabric); etc.

224 **Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics.**

225 **Haircloth.**

226 **Handkerchiefs.**

227 **Hat and cap materials, men's.**
Hatters' fur, sweatbands, visors, linings, bindings, trimmings, tip printing, etc.

228 **Hats and caps, except felt and straw, men's.**
Silk hats, chapeaux, opera or crush hats, cloth caps, uniform caps, athletic hats and caps, etc.

229 **Hats, fur-felt.**
Stiff and soft hats and hat bodies made chiefly from hatters' fur for men, women, and children.

230 **Hats, wool-felt.**
Men's, women's, and children's hats and hat bodies, the chief materials of which are wool, wool noils, wool shoddy, etc.

231 **Horse blankets, fly nets, and related products.**
Horse blankets made from purchased fabrics, saddle cloths, fly nets, sweat pads, etc.

232 **House-furnishing goods, not elsewhere classified.**
Comfortables, piano covers and scarfs, carpet linings, mosquito canopies, portières, draperies, slip covers of every kind, serving trays, cushions (except spring cushions), hassocks, pillow shams, carpet sweepers, pillows, quilts, cotton batting, mops, pincushions, clotheslines (put up from purchased line), and other house-furnishing goods not covered by separate classifications.

233 **Jute goods.**
Bagging for baling cotton; carpets and rugs, webbing, yarns, twine, etc.; other goods where the material of chief value is jute fiber or jute yarn.

234 **Knit goods.**
Hosiery, underwear, outerwear, knit cloth, and all other machine-knit goods, whether for personal wear or for domestic, mechanical, or other use, without regard to the kind of yarn used, which may be of cotton, wool, silk, rayon, linen, or other fiber, or of any mixture of fibers.

235 **Lace goods.**
All lace-machine products, such as Nottingham lace curtains and nets, levers laces, bobbinets, lace bedspreads, panels, and other pieces, barmen laces, etc.

236 **Linen goods.**
Crash, towels, toweling, and other linen and cotton-and-linen mixed fabrics; yarns, thread, etc., where the material of chief value is flax.

237 **Linoleum.**
Plain, printed, and inlaid linoleum, and a form of linoleum known as "cork carpet."

238 **Mats and matting, grass and coir.**
Door mats, floor mattings, art squares, rugs, and carpets, made from such materials as wire grass, reeds, and coir (cocoa fiber).

239 **Millinery.**
Trimmed hats, including felt hats made from purchased bodies; women's straw hats; hat frames; millinery trimmings (for sale as such); infants' headwear; etc.

240 **Nets and seines.**
Fish nets, laundry nets, seines, etc.

241 **Oilcloth.**
Table, wall, shelf, stair, and enameled oilcloth.

242 **Regalia, badges, and emblems.**
Regalia, badges, and emblems for use by military and civilian organizations.

Industry No. CLASSIFICATION

243 **Shirts.**
Shirts of cotton, linen, wool, silk, artificial silk, etc., shirt bosoms, and shirt waists for men and boys; work shirts.

244 **Silk and rayon manufactures.**
(*a*) Manufactura of finished products: Broad silks (all-silk, all-rayon, silk-mixed, and rayon-mixed goods), velvets, plushes, upholstery, tapestries, ribbons, veils, veilings, braids, bindings, trimmings, machine twist, etc.; sewing, embroidery, and other floss silks.
(*b*) Throwing, winding, and warping of silk and rayon, and the spinning of silk or rayon waste. The greater part of this work is done on a contract basis, the materials and products being owned and reported by others.

245 **Suspenders, garters, and other elastic woven goods, made from purchased webbing.**

246 **Trimmings (not made in textile mills) and stamped art goods for embroidering.**
Dress and coat trimmings, millinery trimmings, tuckings, pleatings, hemstitching, bias bindings, crochet goods, stamped art goods for embroidering, etc.

247 **Upholstering materials, not elsewhere classified.**
Curled hair, moss, tow, etc.
(*a*) Curled hair.
(*b*) All other.

248 **Waste.**
Cleaning or otherwise preparing waste of cotton or other fiber by use of picker or similar machine, and production of wiping rags, oakum, etc.

249 **Woolen goods.**
All kinds of woven fabrics (except woven felts), in the piece or otherwise, braids, webbing, cords, etc., and yarns and waste for sale, made from wool, shoddy, noils of wool or mohair or other animal hair, or a combination of these materials with one another or with cotton, silk, or other fiber.

250 **Wool pulling.**
Detaching wool from sheepskin.

251 **Wool scouring.**
Scouring, sorting, and carbonizing wool.

252 **Wool shoddy.**
Recovered wool fiber, known as "shoddy," "mungo," "flocks" (the result of shearing cloth), and "wool extract," made from rags, waste, noils, tailors' clippings, etc.

253 **Worsted goods.**
All kinds of woven fabrics, in the piece or otherwise, braids, webbing, cords, etc., and yarns and waste for sale, made from wool, mohair, or other hair; tops made from wool, mohair, or other hair, or a combination of these materials with one another or with cotton, silk, or other fiber.

Industry Group 3.—FOREST PRODUCTS

301 **Baskets and rattan and willow ware, not including furniture.**
Baskets of all kinds, including fruit and berry baskets and boxes; coffee drums; laundry hampers; and, in general, small articles made of veneer, reed, rattan, and willow. (Rattan and willow furniture is classified under Furniture.)

302 **Billiard and pool tables, bowling alleys, and accessories.**
Billiard, pool, and bagatelle tables, billiard cues and chalk, pool pockets, cue tips, pool balls, bowling alleys, bowling-alley accessories, etc.

303 **Boxes, cigar, wooden.**
All wooden boxes in which cigars are packed and from which they must be sold.

304 **Boxes, wooden, except cigar boxes.**
Wooden boxes and cases; box shooks; trunk slats; crates for butter, fruits, berries, and vegetables; cases for eggs and canned goods; carrier trays; wooden storage-battery boxes; fancy boxes of wood covered with cretonne, silk, etc.

305 **Caskets, coffins, burial cases, and other morticians' goods.**
Caskets and coffins, whether of wood or of metal; burial cases; shipping cases; and morticians' supplies and accessories, such as burial garments, gloves, and slippers, casket linings and draperies, ambulance baskets, door draperies, lowering devices, couches, embalming tables, and embalming fluids.

306 **Cooperage.**
Casks, kegs, tierces, barrels, hogsheads, wooden tubs, tanks, vats, and similar containers made of staves. (Staves, heading, and hoops—the cooperage stock—are products of the "Lumber and timber products" industry.)

307 **Cork products.**
Bottle corks, life preservers, cork board for insulation, cork tips, and other articles made of cork.

308 **Excelsior.**
Excelsior and excelsior pads, wrappers, etc.

309 **Furniture, including store and office fixtures.**
All classes of wood and metal furnitura, including hammocks, furnitura ornaments, store and office fixtures, show cases, display cases, wall cases, and cabinets.

310 **Lasts and related products.**
Lasts for boots and shoes, shoe-trees, shoe stretchers, display forms for boots and shoes, etc.

311 **Lumber and timber products, not elsewhere classified.**
Logging camps, producing logs, bolts, and rough timber products, such as hewn crossties, poles, posts, mine timbers, wheel and handle stock, excelsior stock, etc.; sawmills, producing rough lumber, laths, shingles, staves, heading, hoops, veneer stock, veneers, and other products from logs and bolts. Planing mills operated in conjunction with sawmills are included in this classification, but independent planing mills are classified in "Planing-mill products."

312 **Matches.**

313 **Mirror and picture frames.**
Frames and finished picture moldings, chiefly of wood, for mirrors, pictures, photographs, and medallions. (The unfinished moldings of which the frames are made are, as a rule, planing-mill products.) Establishments engaged in framing pictures, etc., to individual order are *not* included.

314 **Planing-mill products (including general millwork), not made in planing mills connected with sawmills.**
Dressed lumber, sash, doors, blinds, moldings, panels, wood mantels, brackets, stair work, door and window frames, and all classes of general millwork.

315 **Pulp goods.**
Imitation wood carving, pails, dishes, tubs, boxes, and other articles of this character made from wood pulp or paper chemically treated.

316 **Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment.**
Refrigerators, ice boxes, and refrigerator show cases, counters, and cabinets; water coolers. This classification does not cover mechanically operated (electric) and heat-operated refrigerating equipment or units for commercial or household use, which are classified in the "Refrigerators, mechanical" industry; nor ice-making machinery for use in ice factories, which is classified in the "Foundry and machine-shop products" industry.

317 **Turpentine and rosin.**
Spirits of turpentine and rosin made by distillation of the resinous exudation of the pine tree.

318 **Window and door screens and weather strip.**
Window screens, door screens, and weather strip, irrespective of the material used.

319 **Wood preserving.**
Treatment of wood to prevent decay and for protection against fire, worms, etc. Products include railway ties, paving blocks, etc.

320 **Wood turned and shaped and other wooden goods, not elsewhere classified.**
Bobbins, bowls, bungs, brush blocks, dowels, handles, marquetry, oars, rollers, rolling pins, spools, picker sticks for looms, and other turned and shaped wooden articles and wood carvings; also miscellaneous articles such as wooden dishes, trays, meat boards, toothpicks, washboards, clothespins, ironing boards and tables, grain measures, tailors' pressing blocks, flagpoles, masts and spars, ladders, etc.

Industry Group 4.—PAPER AND ALLIED PRODUCTS

401 **Bags, paper, exclusive of those made in paper mills.**

402 **Boxes, paper, not elsewhere classified.**
Plain and metal-edged boxes, made of paper, news board, or cardboard, for confectionery, millinery, cigarettes, lunches, druggists' preparations, silverware, etc.

403 **Cardboard, not made in paper mills.**

Industry No. CLASSIFICATION

404 **Card cutting and designing.**
Jewelers' cards; index cards for office and library cabinets; Jacquard cards; fancy cards; stencil cards for addressing machines; photograph mats, mounts, and folders; cardboard panels and foundations; etc.

405 **Envelopes.**

406 **Labels and tags.**
Labels and tags of paper, celluloid, metal, cardboard, etc., baggage and other checks, door and name plates, metal hedges and checks; labels for clothing; patent indexes; laundry and shipping tags; pin tickets, etc.

407 **Paper.**
All kinds of paper and paper boards, such as newsprint, book, cover, writing, wrapping, tissue, absorbent, and building papers. Converted-paper products *made in paper mills* are included in this classification. An independent factory making converted-paper products is given its specific industry classification.

408 **Paper goods, not elsewhere classified.**
Crêpe paper; surface-coated paper; glazed, waxed, oiled, waterproof, and corrugated paper; tar, fly, and toilet paper; paper lace; cigarette paper; playing cards; confetti; milk-bottle caps, etc.

410 **Pulp (wood and other fiber).**
Wood pulp, mechanical and chemical; other pulp. Establishments making wood flour are classified in this industry.

411 **Wall paper.**
Establishments engaged chiefly in the designing of patterns and the printing of paper used to cover interior walls and ceilings. (The paper itself, designated as "hanging paper," is made in paper mills.)

Industry Group 5.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

501 **Bookbinding and blank-book making.**
Bookbinding and blank-book making; embossing; book gilding; paper ruling; paper cutting; card, book, and paper edging; card beveling and bronzing; mounting of woolen and other samples; show-card mounting; etc.

502 **Engravers' materials.**
Copper, zinc, steel, and other metal plates for engravers' use; wood blocks for use in wood engraving and photo-engraving; lithographic stones; etc.

503 **Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.**
Engraving, chasing, and etching on jewelry and silverware, notarial seals, fancy metals, etc., for purposes other than printing; diesinking.

504 **Engraving, steel and copperplate, and plate printing.**
Engraving on steel or copper for cards, music, plate engraving, fine stationery work, etchings, illustrations, etc., and generally all engraving of this character which may be associated with printing.

505 **Engraving, wood.**
Wood engraving (generally wood cuts for use in printing).

506 **Lithographing.**
Establishments engaged primarily in photolithographing, in lithographing on paper, tin, etc., and in drawing or transferring designs or preparing stones or plates used in lithographing.

507 **Photo-engraving, not done in printing establishments.**
Photogravures and similar transfer work; products include reproductions of photographs, maps, charts, diagrams, post cards, fashion plates, art pictures, drawings, half tones, line plates, and illustrations of all sorts.

508 **Printing and publishing, book and job.**
Establishments engaged primarily in (*a*) job printing; (*b*) printing and publishing books and pamphlets; (*c*) publishing, but not printing, books and pamphlets; (*d*) linotype work or typesetting.
(*a*) Job printing.
(*b*) Book publishing and printing.
(*c*) Book publishing without printing.
(*d*) Linotype work, typesetting, etc.

509 **Printing and publishing, music.**
Books of music and sheet music.
(*a*) Printing and publishing.
(*b*) Publishing without printing.

Industry No. CLASSIFICATION

510 **Printing and publishing, newspaper and periodical.**
Establishments engaged primarily in the preparation, printing, and publishing, or in the preparation and publishing but not the printing, of newspapers and periodicals. Some of these establishments also do job printing; but establishments engaged primarily in job printing are classified under "Printing and publishing, book and job."
1.—Newspapers:
(*a*) Printing and publishing.
(*b*) Publishing without printing.
2.—Periodicals:
(*a*) Printing and publishing.
(*b*) Publishing without printing.

511 **Printing materials, not including type or ink.**
Composing rules and sticks, mallets, planes, chases, quoins, type cases, galleys, printers' rollers, blocks, plate hooks, locking devices, etc.

512 **Stereotyping and electrotyping, not done in printing establishments.**

513 **Type founding.**
Type, brass rules, leads, slugs, etc.

Industry Group 6.—CHEMICALS AND ALLIED PRODUCTS

601 **Alcohol, ethyl, and distilled liquors.**
Ethyl or grain alcohol (including denatured), whisky, and nonbeverage rum.

602 **Ammunition and related products.**
Ammunition for small arms and artillery; also fuses, blasting and detonating caps, miners' squibs, naval and railroad torpedoes, fog and danger signals, etc. (Dynamite and other explosives for agricultural use and "cartridges" for use in oil wells are classified under "Explosives," and fireworks are classified seperately as such.)

603 **Baking powders, yeast, and other leavening compounds.**
Baking powders, yeast (dry, compressed, and liquid), and other leavening compounds.
(*a*) Baking powders.
(*b*) Yeast and other leavening compounds.

604 **Blacking, stains, and dressings.**
Blackings, waxes, stains, dressings, and polishes for leather, boots and shoes, harness, and belting; stove polish; burnishing inks; enameled dressings for automobile and carriage tops, etc.

605 **Bluing.**
Laundry bluing, soluble and liquid, aniline blue, etc., made principally from indigo and Prussian blue.

606 **Bone black, carbon black, and lampblack.**
(*a*) Bone black.
(*b*) Carbon black.
(*c*) Lampblack.

607 **Candles.**
Candles made of spermaceti, paraffin, wax, tallow, stearine, etc.

608 **Chemicals, not elsewhere classified** (*see also* **Coke; Compressed and liquefied gases; Druggists' preparations; Explosives; Fertilizers; Gas, manufactured; Oils, essential; Paints and Varnishes; Patent and proprietary medicines and compounds; Rayon and allied products; Tanning materials, natural dyestuffs, mordants and assistants, and sizes; Turpentine and rosin; Wood distillation and charcoal manufacture**).
All chemicals except those produced in the allied industries specified above. They are grouped under six heads, namely: (I) Acids. (II) Nitrogen compounds, including ammonium and cyanogen compounds. (III) Sodium compounds. (IV) Potassium compounds, including potash from original sources. (V) General inorganic compounds, including alums and the various salts and compounds of metals (antimony, arsenic, copper, gold, iron, etc.), rare earths, insecticide chemicals, etc. (VI) General organic compounds, including the alkaloids and their salts; coal-tar crudes, intermediates, and finished coal-tar products; synthetic photographic chemicals, flavors, essential oils, perfumes, narcotics, pharmaceuticals, etc.; plastics, such as the pyroxylin plastics, rubber substitutes, etc., including finished goods made by the establishment that makes the plastic; formaldehyde; glycerin; carbon products; ether; acetone; etc.

Industry No. CLASSIFICATION

609 **Cleaning and polishing preparations.**
Preparations for cleaning and polishing furniture, floors, wall paper, gloves and other wearing apparel, metal ware, and cars; automobile body polish; paint and varnish removers; rust and stain removers; washing, ironing, sweeping, and scouring compounds; laundry tablets; floor wax; eyeglass and windshield cleaners; copper cloth; steel wool; etc.

610 **Compressed and liquefied gases.**
Acetylene (when sold in containers), chlorine, hydrogen, nitrous oxide (laughing gas), oxygen, sulphur dioxide, and other gases, compressed and liquefied.

611 **Druggists' preparations.**
Serums, vaccines, and toxins; capsules (filled or empty), tablets, pills, pepsin, tinctures, medicinal plasters, cough sirups, ointments, and other pharmaceuticals.

612 **Drug grinding.**
Establishments engaged in grinding drugs of all kinds, sometimes known as "drug millers."

613 **Explosives.**
Blasting powder, gunpowder (black), nitroglycerin, dynamite, guncotton or pyroxylin, smokeless powder, fulminating mecury, permissible explosives, etc.

614 **Fertilizers.**
Superphosphates from minerals, bones, etc.; ammoniated fertilizers, concentrated phosphate, complete fertilizers, fish scrap, etc.

615 **Fireworks.**
Display fireworks of all kinds, such as air and toy torpedoes, bombs, shells, wheels, torches, rockets, colored fire, sparklers, and firecrackers.

616 **Glue and gelatin.**
Glue (flexible and liquid), gelatin, and glue jelly or paste, derived from hides, fleshings, and fish.

617 **Grease and tallow, not including lubricating greases.**

618 **Ink, printing.**
Printing and lithographing inks.

619 **Ink, writing.**
Writing ink and fluids, indelible ink, etc.

620 **Liquors, vinous.**
Wines, still and effervescing.

621 **Mucilage, paste, and other adhesives, except glue and rubber cement.**
Mucilage, paste, mending cement, sealing wax, pneumatic-tire fillers, and other adhesives, except glue, which has a separate classification.

622 **Oil, cake, and meal, cottonseed.**
Cottonseed oil, either crude or refined, and such by-products as meal and cake, hulls, linters, and grabbots.

623 **Oil, cake, and meal, linseed.**
Linseed oil, made from flaxseed, and such by-products as flaxseed cake and meal.

624 **Oils, essential.**
Volatile oils from plants, such as peppermint, spearmint, sassafras, wintergreen, clove, lemon, aniseed, bergamot, lavender, orange, patchouli, witch-hazel, etc.

625 **Oils, not elsewhere classified.**
Castor oil, cocoanut oil, peanut oil, fish oils, etc.

626 **Paints and varnishes.**
Colors and pigments, paints in oils, ready-mixed paints, water paints, kalsomine, stains, fillers, putty, varnishes, japans, lacquers, etc.

627 **Patent or proprietary medicines and compounds.**
Medicines and compounds for either man or animal, sold under the protection of patents, copyrights, or trademarks, or prepared according to secret formulas, including medicines of a proprietary character, not necessarily patented, and compounds or products handled by the pharmaceutical trade, not otherwise provided for, such as insect powders, corn cures, liver pads, household ammonia, disinfectants, boiler compounds, fire-extinguishing compounds, etc.

628 **Perfumes, cosmetics, and other toilet preparations.**
Cologne, toilet water, face powders, washes and lotions, hair tonics, skin emollients, shaving cream, tooth paste and powder, bay rum, etc.

629 **Rayon and allied products.**
Rayon and allied products in yarn, sheet, or other form.

Industry No. CLASSIFICATION

630 **Salt.**
Table, packers', rock, and other grades of salt, whether obtained by mining or by evaporation.

631 **Soap.**
Hard, soft, cake, bar, powdered, liquid, and other soaps.

632 **Tanning materials, natural dyestuffs, mordants and assistants, and sizes.**
Oak, chestnut, hemlock, and other tanning extracts; chrome tannage and other tanning materials; natural dyestuffs, of logwood, fustic, quercitron, etc.; mordants, such as tannic acid, iron liquor, etc.; assistants; and sizes.

633 **Wood distillation and charcoal manufacture.**
Methanol (wood alcohol), charcoal, turpentine, tar, acetone, acetate of lime, etc., made by the distillation of wood through the use of either the destructive or the steam process; charcoal produced by the charring of wood without recovery of the volatile products.
(*a*) Wood distillation.
(*b*) Charcoal.

Industry Group 7.—PRODUCTS OF PETROLEUM AND COAL

701 **Coke, not including gas-house coke.**
(*a*) Beehive ovens.
(*b*) By-product ovens.

702 **Fuel: Briquettes and boulets.**
Briquettes and boulets made from anthracite culm, bituminous slack, peat, etc., mixed with tar or pitch as a binder; charcoal briquettes; powdered fuel.

703 **Gas, manufactured, illuminating and heating.**
Gas and its by-products made from coal, coke, oil, gasoline, or calcium carbide (acetylene) and *distributed through mains*. (Establishments engaged solely in the production of *natural gas*, and those engaged solely in the *distribution* of gas, either natural or manufactured, are not manufacturing establishments and therefore are not included in this industry. Establishments which manufacture gas of any kind for sale in containers, in compressed or liquefied form, are classified in the Compressed and liquefied gases industry.)

704 **Lubricating oils and greases, not made in petroleum refineries.**
Lubricating oils, not made in petroleum refineries; axle grease; and other hard and soft lubricating greases.

705 **Petroleum refining.**

Industry Group 8.—RUBBER PRODUCTS

801 **Boots and shoes, rubber.**
Rubber boots, shoes, overshoes, and canvas shoes with rubber soles.

802 **Rubber goods other than tires, inner tubes, and boots and shoes.**
Rubber belting and hose; rubberized fabrics and cloth; druggists' and stationers' sundries, such as rubber brushes, rubber hands, rubber type, etc.; rubber mats, hard-rubber goods; rubber heels and soles; etc.

803 **Rubber tires and inner tubes.**
Pneumatic tires and inner tubes for automobiles, motorcycles, bicycles, etc; solid and cushion rubber tires for trucks and other vehicles.

Industry Group 9.—LEATHER AND ITS MANUFACTURES

901 **Belting, leather.**
All kinds of leather belting, used for the transmission of power.

902 **Boot and shoe cut stock, not made in boot and shoe factories.**
Soles, tips, heels, top lifts, inner soles, uppers, etc.

903 **Boot and shoe findings, not made in boot and shoe factories.**
Shoe pegs, bows, clasps, stays, metal tips and heelplates, toe caps, buckles, boot and shoe laces, heel caps, rands, staples, counters, shanks, wooden heels, shoe trimmings, etc.

904 **Boots and shoes, other than rubber.**
Boots, shoes (high and low cut), pumps, slippers, sandals, putties, leggings, overgaiters, and allied footwear, made of leather, felt (purchased), canvas, or other textile fabrics. Establishments engaged in contract work on materials furnished by others, in connection with the manufacture of boots, shoes, etc., are also included in this industry. (Felt shoes, etc., made in mills which manufacture the felt are classified in "Felt goods.")

905 **Gloves and mittens, leather.**
Men's, boys', women's, and children's leather gloves and mittens, lined and unlined.

Industry No. CLASSIFICATION

906 Leather goods, not elsewhere classified.
Miscellaneous leather products not classified in other industries; for example, belts (for wear on the person), handles, corners, and straps for luggage, dog furnishings, cigar and cigarette cases, vanity cases, key cases, leather check-book covers, desk sets, embossed leather, burnt-leather goods, leather washers, razor strops, etc.

907 Leather: Tanned, curried, and finished.
Rough leather, sole leather, upper leather, morocco and colored skins, horsehides, calf and kip skins, goatskins and sheepskins; belting, harness, carriage, trunk, bag and pocketbook, bookbinders', and furniture leather; leather for gloves, mittens, etc.

908 Pocketbooks, purses, and cardcases.
Pocketbooks, bill folds, cardcases, coin purses, women's purse-handbags, etc.

909 Saddlery and harness.
Saddlery and parts, harness and parts, halters, horse boots, turf goods, feed bags, etc.

910 Trunks, suitcases, and bags.
Trunks, valises, suitcases, traveling bags, satchels, carrying cases, brief cases, Boston bags, hat boxes, luncheon kits, etc., irrespective of the materials from which made.

Industry Group 10.—STONE, CLAY, AND GLASS PRODUCTS

1001 Asbestos products, other than steam packing or pipe and boiler covering.
Asbestos building materials, such as roofing, sheathing, siding, and flooring; other asbestos products, such as table mats and pads, holders for flatirons, packing for ice boxes and refrigerating cars, antifriction facings and linings, and insulating material.

1002 Cement.
Portland cement; hydraulic, fireproof, and slag cement, etc.

1003 China firing and decorating, not done in potteries.
China firing and decorating for the trade. (Small establishments engaged in such work for private customers or to individual order are not included.)

1004 Clay products (other than pottery) and nonclay refractories.
Building brick, fancy and ornamental brick, vitrified brick, fire brick, sewer pipe, drain tile, etc., and other refractories.

1005 Concrete products.
Building blocks, building trimmings, cement roofing tile, etc., and other articles, such as laundry tubs, burial vaults, etc., manufactured from a combination of stone or gravel and sand, with cement.

1006 Crucibles.
Crucibles of all sizes, made largely from fire clay, German clay, kaolin, and plumbago.

1007 Emery wheels and other abrasive and polishing appliances.
Abrasive wheels, whether of emery, corundum, or other material; polishing and buffing wheels, belts, and disks.

1008 Glass.
Building glass, pressed and blown glass, wire glass, etc., and glass containers of all kinds.

1009 Glass products (except mirrors) made from purchased glass.
Glass cutting, glass beveling, bending sheet glass, engraving on glass, making glass labels, staining and ornamenting glass, and manufacturing safety glass.

1010 Graphite, ground and refined.
The extraction from the ore and the refining of graphite (plumbago or black lead).

1012 Hones, whetstones, and similar products.
Hones, whetstones, oilstones, scythestones, lawn-mower sharpeners, rubbing stones for hardware finish, rubbing brick, shoemakers' sandstones, etc.

1013 Lime.

1014 Marble, granite, slate, and other stone products.
Monuments, tombstones, and other articles for cemetery uses; roofing slate, slate blackboards, and other slate work; builders' and plumbers' marble, granite, and other stone work; soapstone work; all other stone work, except millstones, grindstones, pulpstones, and hones and whetstones.

Industry No. CLASSIFICATION

1015 Minerals and earths, ground or otherwise treated.
Ground or pulverized earths, rocks, and minerals, such as emery, flint, barytes, manganese, chalk, talc, feldspar, sandstone, kaolin, mica, fuller's earth, pumice, slate, etc.

1016 Mirrors, framed and unframed.

1017 Pottery, including porcelain ware.
Stoneware, red earthenware, white ware, china, bone china, delft, Belleek ware, sanitary ware, etc.

1018 Sand-lime brick.
Bricks made from a combination of sand and lime.

1019 Statuary and art goods, factory product.
The *factory manufacture* of such products as statues, vases, urns, brackets, garden and lawn furniture, flower boxes, fountains, plaques, mantels, columns, panels, moldings, pedestals, ornamental plaster work, architectural sculptures, small images, scagliola, church statuary, bronze statuary, and papier-mâché articles.

1020 Wall plaster, wall board, insulating board, and floor composition.
Gypsum plaster and other ready-mixed wall plasters and similar preparations, such as hard wall plaster, plaster wainscoting, fiber plaster, stucco, calcined plaster, molding plaster, plaster board, asphalt mastic, and ornamental plaster work for interior decoration; gypsum wall board and other wall boards, not made in paper mills; insulating board not made in paper mills; floor composition; etc.

Industry Group 11.—IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY

1101 Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills.

1102 Cast-iron pipe.
Cast-iron gas, water, soil, and other cast-iron pipe.

1103 Cutlery (not including silver and plated cutlery) and edge tools.
Knives, razors, scissors, shears, augers, gimlets, planes, meat choppers, axes, hatchets, and implements of a similar character. Does not include silver, nickel-silver, or plated knives, forks, etc., which are classified under "Plated ware" or "Silversmithing and silverware."

1104 Doors, shutters, and window sash and frames, metal.

1105 Files.
The manufacture and recutting of files, rasps, etc.

1106 Firearms.
Rifles, shotguns, revolvers, pistols, stocks, parts, etc.

1107 Forgings, iron and steel, not made in plants operated in connection with rolling mills.
Light and heavy drop and steam-hammer forgings, chains, anchors, axles, car wheels, frogs, etc.

1108 Galvanizing and other coating, not done in plants operated in connection with rolling mills.
Galvanizing or coating sheet steel or iron or formed products with zinc; coating sheet steel or iron or formed products with aluminum and lead; retinning of cans and utensils.

1109 Hardware not elsewhere classified.
Locks, car seals, seal presses, brackets, andirons and fireplace goods, and trunk trimmings; builders', cabinet, saddlery, harness, car, carriage, casket, furniture, piano, and organ hardware; vacuum bottles and containers.

1110 Iron and steel: Blast furnaces.
Pig iron and blast-furnace ferro-alloys.

1111 Iron and steel, processed.
Establishments engaged chiefly in case hardening, tempering, rust-proofing, or otherwise specially treating iron or steel.

1112 Iron and steel: Steel works and rolling mills.
Establishments engaged in the manufacture of steel or in the rolling of hot iron and steel. Products include steel ingots and direct steel castings; rolled iron and steel, such as rails, splice bars, rail joints, bars and rods, tin-plate bars, wire rods, structural shapes, hoops, bands, and cotton ties; plates and sheets, including black plates and sheets for tinnings; nail and tack plates; car axles, rolled and hammered; car wheels; armor plate; gun forgings, etc.

Industry No. CLASSIFICATION

1113 **Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills.**

1114 **Plumbers' supplies, not including pipe or vitreous-china sanitary ware.**
Bath and laundry tubs, bathroom and laundry equipment and fittings of all descriptions, kitchen and pantry sinks, range boilers, flush valves, faucets, pipe hangers, and kindred products.

1115 **Safes and vaults.**
Safes and vaults, safe-deposit boxes and chests, vault doors and linings, safe and vault locks, etc.

1116 **Saws.**

1117 **Screw-machine products and wood screws.**
Machine screws and a great variety of special parts (most of which are threaded) made on "screw machines," and wood screws.

1118 **Springs, steel, except wire, not made in plants operated in connection with rolling mills.**
Leaf springs—railway, motor-vehicle, carriage, wagon, etc.; hot-wound springs, railway and other; flat springs, coiled.
(Does not include the manufacture of light coiled springs, which are products of the Wirework, not elsewhere classified, industry.)

1119 **Steam fittings and steam and hot-water heating apparatus.**
Hot-water and steam heating apparatus, radiators, valves, gauges, coils, thermostats, etc.

1120 **Steel barrels, kegs, and drums.**
Portable iron and steel barrels, kegs, and drums, for shipping and storage purposes.

1121 **Stoves and ranges (other than electric) and warm-air furnaces.**
All heating and cooking appliances using coal, gas, oil, or other fuel. These include, among others, heating and cooking stoves, ranges, and furnaces; gas fireplaces, logs, and grates; gas and oil water heaters, hot-water tanks; gas pressing irons, hot plates, soldering furnaces, etc.; and Bunsen burners.

1122 **Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills.**
Girders, columns, trusses, grilles, railings, fire escapes, and other builders' ironwork, structural and ornamental.

1123 **Tin cans and other tinware, not elsewhere classified.**
Plain and decorated tin cans, pails, boxes, and packages; milk cans and ice-cream cans; steam cookers, boilers, and household and cooking utensils; and other tinware not elsewhere classified.

1124 **Tin plate and terneplate, not made in plants operated in connection with rolling mills.**
Establishments engaged in the coating of purchased black plates with tin or terne mixture.

1125 **Tools, not including edge tools, machine tools, files, or saws.**
Stone and marble cutting tools, spirit levels, picks, plumbers' tools, jewelers' tools, ironworkers' tools, confectioners' tools, bakers' tools, shovels, spades, scoops, pressing irons, hammers, mallets, soldering irons, screw drivers, wrenches, pliers, and all tools not covered by other classifications.

1126 **Wire, drawn from purchased bars or rods.**

1127 **Wirework, not elsewhere classified.**
Barbed wire, bale ties, wire springs, poultry netting and other woven-wire fencing, wire rope and cable, wire cloth, and small manufactures of wire, such as mousetraps, bird cages, bottle stoppers, wire clasps, belt lacings, garment hangers, etc., made from purchased wire.

1128 **Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills.**
Wrought welded pipe and boiler tubes; clinched, brazed, and heavy riveted pipe.

Industry Group 12.—NONFERROUS METALS AND THEIR PRODUCTS

1201 **Aluminum manufactures.**
Aluminum castings, bars, plates, and sheets; aluminum ware, such as kitchen utensils and household appliances; and other aluminum goods, such as specialties, airplane parts, engine and machine parts, etc.

1202 **Clocks, clock movements, time-recording devices, and time stamps.**

1203 **Collapsible tubes.**

1204 **Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified.**
Sinks, tanks and bins, cooking apparatus, smokestacks, stove and furnace pipes and elbows, stove and furnace casings, cornices, roofing, skylights, ventilators, corrugated-iron culverts, etc., made from sheet copper, tin plate or sheet iron; coppersmithing and sheet-iron work, including galvanized-iron work. (Factory or shop work only.)

1205 **Electroplating.**
Electroplating of all descriptions, such as nickel plating, silver plating, etc. In many cases this work is done on a contract basis on articles furnished by others.

1206 **Fire extinguishers, chemical.**
Chemical engines, hose carts, and other apparatus and appliances for fire extinguishing through the use of chemicals; chemical preparations for use with such apparatus and appliances; hand grenades for fire extinguishing, etc.

1207 **Gas and electric fixtures; lamps, lanterns, and reflectors.**
Gas fixtures, chandeliers, domes, burners, mantles, etc.; electric fixtures, holders, electroliers, brackets, portables, etc.; combination gas and electric fixtures; motor-vehicle lamps, carriage and wagon lamps, all other lamps; reflectors.

1208 **Gold leaf and foil.**
Gold leaf and foil for decorators, dentists, etc. (made by establishments generally known as goldbeaters).

1209 **Gold, silver, and platinum, refining and refining, not from the ore.**
The reduction and refining of precious metals, chiefly from the waste and sweepings of factories engaged in the manufacture of jewelry, silverware, etc.

1210 **Jewelry.**
Rings, pins, bracelets, and chains; diamond setting and mountings; gold trimmings for umbrellas, canes, etc.; rolled plate, filled wire, etc.

1211 **Needles, pins, hooks and eyes, and snap fasteners.**
Machine and hand needles, knitting and sewing; toilet, hat, and safety pins, wire hairpins, etc.; glove fasteners, snap fasteners, hooks and eyes, etc.

1212 **Nonferrous-metal alloys and products, not including aluminum products.**
(Formerly three separate industry classifications—"Babbitt metal, white metal, type metal, and solder"; "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified"; "Lead: Bar, pipe, and sheet.")
Lead, bar, pipe, and sheet; antifriction-bearing metals; type metal; solders; bars and rods of brass, bronze, and other nonferrous alloys, such as Monel metal and German silver; plates, sheets, rods, tubing, wire, castings, and machinery fittings made from copper or zinc or from brass, bronze, or other nonferrous alloys; various finished products, such as die-castings, extruded shapes, electrical supplies, car and engine brasses, finished brass work, oiling devices, spigots, hose couplings, stair plates and rods, fenders, screen plates, spun metal, bells, etc. Copper ingots are normally products of the "Smelting and refining, copper" industry. Establishments engaged in the manufacture of wire from purchased bars or rods are classified in the "Wire, drawn from purchased bars or rods" industry. Establishments engaged primarily in the manufacture of gas and electric fixtures, hardware, and plumbers' supplies are not classified in this industry, these lines of manufacture being covered by separate classifications.

1213 **Plated ware.**
Articles plated with gold, silver, or other metals; articles made of nickel-silver or pewter.

1214 **Silversmithing and silverware.**
Solid silver knives, forks, spoons, and other flatware; solid silver hollow ware, toilet ware, ornaments, ecclesiastical ware, novelties, cane and umbrella handles, etc.

1215 **Smelting and refining, copper.**

1216 **Smelting and refining, lead.**

1217 **Smelting and refining, metals other than gold, silver, or platinum, not from the ore.**
The smelting and refining of scrap metals and dross of all kinds, except gold, silver, and platinum, for which there is a special classification.

1218 **Smelting and refining, zinc.**

Industry No. CLASSIFICATION

1219 **Stamped ware, enameled ware, and metal stamping, enameling japanning, and lacquering.**
Stamped and enameled sheet-metal products of all kinds, except those classifiable in the "Plumbers' supplies" and "Tin cans and other tinware" industries; perforated metals and metal stampings, including stamped machine parts; japanning, lacquering, and paint-enameling on bathroom fixtures, bedsteads, automobile and bicycle parts, sewing machines and other machines, typewriters, signs, emblems, tags, gas and electric fixtures; vitreous enameling of household and hospital ware, stove parts, etc.

1220 **Tin and other foils, not including gold foil.**
Tin foil, aluminum foil and leaf, lead foil, etc.

1221 **Watch and clock materials and parts, except watchcases.**
Mainsprings, hairsprings, balance wheels, jewels, chimes, dials, pendulums, etc., and clock cases.

1222 **Watchcases.**

1223 **Watches and watch movements.**

Industry Group 13.—MACHINERY, NOT INCLUDING TRANSPORTATION EQUIPMENT

1301 **Agricultural implements.**
(1) Planting and fertilizing machinery—corn planters, cotton planters, potato planters, grain drills, combined listers and drills, beet drills, broadcast seeders, transplanters, fertilizer distributors, lime spreaders, manure spreaders, etc.; (2) Plows and listers—moldboard plows, disk plows, listers, ridge busters, subsoilers, plowstocks, steel plow shapes, etc.; (3) Harrows, rollers, pulverizers, and stalk cutters; (4) Cultivators and weeders, etc.; (5) Harvesting machinery—grain binders, grain headers, combines (harvester-threshers), rice binders, cornbinders, corn harvesters, corn pickers, huskers, corn snappers, reapers, potato-digging machines, pea and bean harvestors, beet lifters, etc.; (6) Haying machinery—mowers, horserakes (hand rakes to be classified under "Tools, not including edge tools, machine tools, files, or saws"), tedders, loaders, stackers, and combined sweep rakes and stackers, windrowers and hunchers, etc.; (7) Machines for preparing crops for market or use—threshers, clover hullers, ensilage cutters, corn shellers, corn huskers and shredders, hay presses, feed grinders and crushers, grain cleaners and graders (including fanning mills), potato sorters and graders, cane mills (farm size), sirup evaporators and kettles, sirup-evaporator furnaces, cider mills, etc.; (8) Miscellaneous agricultural implements—grain cradles, straw spreaders, seed-potato cutters, eveners, hay carriers, forks, and slings, tracks for hay carriers, scythes, etc.

1302 **Cash registers and adding, calculating, and card-tabulating machines.**
Adding machines and adding attachments for typewriters, cash registers and similar devices, fare registers and recording fare boxes for railway cars, ticket-counting machines, coin changers, rotary wage tables, slide rules, card-punching, card-sorting and card-tabulating machines, and other calculating and computing machines and devices.

1303 **Electrical machinery, apparatus, and supplies.**
All classes of machinery, apparatus, and supplies for employment directly in the generation, storage, transmission, or utilization of electric energy. Products include electric locomotives, dynamos, motors, batteries, transformers, switchboards, panel boards, cut-out cabinets, carbons, arc and incandescent lamps, searchlights, projectors and focusing lamps, sockets, transmitters, receivers, lightning arresters, rheostats and resistances, electric welding apparatus, electric therapeutic apparatus, switches, signals, telegraph and telephone apparatus, fire-alarm apparatus, radio apparatus, miscellaneous electric household appliances, etc.

1304 **Engines, turbines, tractors, and water wheels.**
Steam engines—reciprocating, turbine, traction, etc.; internal-combustion engines—Diesel type, aviation, marine, motor-vehicle, and motorcycle engines, tractors (farm, road, and other), etc.; water turbines, water wheels, and water motors.

1305 **Foundry and machine-shop products, not elsewhere classified.**
All products of boiler shops, foundries, and machine shops, not classified in any of the other industries in this group nor in any of the industries in Groups 11 and 12.

1306 **Gas machines, gas meters, and water and other liquid meters.**
Machines for manufacturing gas, acetylene-gas generators, gas meters, water meters, gas and water regulators, etc.

1307 **Machine tools.**
Power-driven machines for cutting or shaping metals, such as lathes, planers, drilling machines, etc. Machine tools are designed for more or less general use, as distinct from machines designed for manufacturing special articles. Portable hand tools (power-driven) for calking, riveting, and driving screws are also included under this classification.

Industry No. CLASSIFICATION

1309 **Pumps (hand and power) and pumping equipment.**
Tire and other air pumps, oil pumps, spray pumps, water pumps (antisuction, bucket, chain, diaphragm, etc.), and other hand pumps; steam reciprocating, centrifugal, rotary, air, oil-well, spray, and other power pumps; windmill pumps; residence water-pumping systems; gasoline filling-station pumps and equipment; pump jacks and other pumping equipment.

1310 **Refrigerators, mechanical.**
All types of refrigerators which do not use ice as the refrigerating medium. Such refrigerators include not only the motor-driven type but also those which use heat to actuate the cooling medium.

1311 **Scales and balances.**
Scales, balances, weighing machines and apparatus, automatic and computing weighing machines, etc.

1312 **Sewing machines and attachments.**

1313 **Textile machinery and parts.**
All classes of textile machinery and parts, including machinery for bleaching, dyeing, printing, mercerizing, finishing, etc.

1314 **Typewriters and parts.**
Typewriters and parts of typewriters.

1315 **Washing machines, wringers, driers, and ironing machines, for household use.**
Washing machines, wringers, drying machines, and ironing machines, whether operated by mechanical power or by hand, for use in homes. (Laundry machinery for use in commercial laundries only is classified under "Foundry and machine-shop products, not elsewhere classified.")

1316 **Windmills and windmill towers.**
Windmills and accessories and parts; windmill towers.

1318 **Machine-tool accessories and small metal-working tools, not elsewhere classified.**
Attachments, fixtures, and small tools (chucks, jigs, cutters, drills, reamers, taps, etc.) for use chiefly with machine tools; precision measuring tools (micrometers, verniers, and gauges).

Industry Group 14.—TRANSPORTATION EQUIPMENT, AIR, LAND, AND WATER

1401 **Aircraft and parts.**
All types of aircraft (including balloons) and parts.

1402 **Carriage, wagon, sleigh, and sled materials.**
Bodies, tops, cushions, hubs, felloes, spokes, wheels, whiffletrees, carriage hoots and aprons, axles, dashboards, neck yokes, whipsockets, and other materials and parts except springs, which are separately classified.

1403 **Carriages and sleds, children's.**
Baby carriages, "walkers," gocarts, sleds, doll carriages, children's velocipedes and tricycles, children's express wagons, etc.

1404 **Carriages, wagons, sleighs, and sleds.**
Complete carriages, wagons, sleighs, sleds, pungs, handcarts, pushcarts, and wheelbarrows.

1405 **Cars, electric and steam railroad, not built in railroad repair shops.**

1406 **Locomotives, not made in railroad repair shops.**
All kinds of steam and internal-combustion locomotives. (Electric locomotives are classified under "Electrical machinery, apparatus, and supplies.")

1407 **Motor-vehicle bodies and motor-vehicle parts.**
Establishments engaged primarily in the manufacture of (*a*) motor-vehicle bodies; (*b*) parts and accessories such as gears, wheels, radiators, bumpers, axles, rear-axle housings, axle shafts, shock absorbers, windshields, rims, frames, horns, windshield wipers, and various other assemblies and parts, not including complete chassis, which are classified under "Motor vehicles."
(*a*) Bodies.
(*b*) Parts and accessories.

1408 **Motor vehicles, not including motorcycles.**
All complete four-wheeled motor vehicles—automobiles, trucks, motor busses, etc.—complete chassis and trailers.

1409 **Motorcycles, bicycles, and parts.**
Complete motorcycles, side cars, and bicycles, and motorcycle and bicycle parts, such as saddles, seat posts, frames, gears, handlebars, chains, etc. Establishments which manufacture complete motorcycles or bicycles by merely assembling purchased parts are included in this classification.

Industry No. CLASSIFICATION

1410 **Ship and boat building, steel and wooden, including repair work.**
Building of all classes of steel and wooden vessels, including yachts, rowboats, canoes, etc.; repairs to such vessels; masts, spars, and other accessories for such vessels; rigging of such vessels (equipping with ropes, chains, etc., which support or raise and lower masts and spars, or serve to set and trim sails).

Industry Group 15.—RAILROAD REPAIR SHOPS

1501 **Car and general construction and repairs, electric-railroad repair shops.**
Shopwork done by electric-railroad companies; consists principally of repairs to rolling stock and bridges belonging to the company operating the shop. Some shops, however, build new cars, and some perform repair work for other railroad companies.

1502 **Car and general construction and repairs, steam-railroad repair shops.**
Shopwork done by steam-railroad companies; consists principally of repairs to rolling stock and bridges belonging to the company operating the shop. Some shops, however, build new cars and locomotives, and some perform repair work for other railroad companies.

Industry Group 16.—MISCELLANEOUS INDUSTRIES

1601 **Artificial and preserved flowers and plants.**
Manufacture of artificial leaves, palms, grasses, wreaths, plants, foliage and vines, buds, and fruits; manufacture of wax flowers; preservation of flowers, plants, stems, and other material for the manufacture of artificial flowers.

1603 **Artists' materials.**
Canvas board; prepared canvases or frames; oil colors; air brushes for portrait work; air compressors for art work; easels; drawing tables and boards; palettes; sketch boxes; pantographs; wax, dustless, and other crayons; tailors' chalk; crayon pencils; gold and bronze mixtures, powders, paints, and size; gold and aluminum enamel and paint for china painting; pyrography goods, including platinum points; drafting materials; drawing ink; etc.

1604 **Brooms.**
Brooms, whisk brooms, etc., made from broom corn or fiber; street and stable brooms made from heavier materials.

1605 **Brushes, other than rubber.**
Paint, sash, floor, whitewash, and other brushes, not including those made of rubber.

1606 **Buttons.**
All kinds of buttons, parts of buttons, and button blanks or molds.

1607 **Carbon paper and inked ribbons.**

1608 **Cigars and cigarettes.**
(*a*) Cigars.
(*b*) Cigarettes.

1609 **Combs and hairpins, not made from metal or rubber.**
Combs and hairpins for dressing or ornamenting the hair, made from fiber, bone, horn, tortoise shell, celluloid, and ivory; also novelties for ladies' headdress, barrettes, hair-puff pins, hair ornaments, comb mountings, etc.

1610 **Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies.**
(*a*) Incubators and brooders. (*b*) Other poultrymen's supplies, such as coops, hovers, houses, incubator regulators, feeders, feed cookers, crates and chicken-shipping boxes, etc. (*c*) Cream separators, centrifugal and gravity, and accessories. (*d*) Other dairymen's, creamery, cheese-factory, and butter-factory supplies and equipment, such as automatic sanitary butter machines; butter workers, vats, colors, packers, ladles, and molds; cheese presses, and bandages; rennet extract and lactic ferment; churns; dairy tinware; milk tanks, coolers, etc.; pasteurizers; portable stalls; etc. (Creamery, butter-factory, and cheese-factory machinery, except cream separators, is to be classified under 'Foundry and machine-shop products, not elsewhere classified," Group 13). (*e*) Apiarists' supplies, such as bee escapes, bee veils, comb foundation, hives, honey boxes and sections, etc.

1611 **Dental goods and equipment.**
Artificial teeth, filling material, dental alloys, plate material, carborundum disks and wheels, mandrels, casting machines, dental files, impression materials, gold crown and bridge work, rubber plate work and suction plates and cups, workshop tools, etc. (Dental instruments are classified under "Instruments, professional and scientific.")

Industry No. CLASSIFICATION

1612 **Fancy and miscellaneous articles, not elsewhere classified.**
Beaded articles, celluloid novelties, art novelties, holiday goods, photo jewelry and buttons, inlaid veneer work, silk watch chains, burnt-wood articles, lamp shades, bric-a-brac, composition ornaments, needle and pin books, decalcomania work (when not on china or glass), and many other miscellaneous small articles not covered by distinct classifications.

1613 **Feathers, plumes, and manufactures thereof.**
Production of fancy feathers, plumes, quills, and articles made principally from feathers and plumes; curling, dyeing, and renovating ostrich feathers for the trade. (Establishments engaged wholly or mainly in the performance of custom work are not included.)

1614 **Foundry supplies.**
Foundry supplies, such as cement for castings, core oils and compounds, chaplets, wax and flux, "parting" composition, flasks, sieves, pipe blacking, plumbago, etc.

1615 **Fur goods.**
Fur and fur-lined coats and overcoats, fur neck pieces of all kinds, fur hats and caps, fur trimming, fur robes, all other fur and fur-lined goods, sheep-lined garments.

1616 **Furs, dressed.**
The scraping, currying and tanning, and bleaching and dyeing of pelts for use in the manufacture of fur goods, and the dressing of hair and bristles. In many cases this work is done for others on a contract basis.

1617 **Hair work.**
Wigs, switches, braids, puffs, and related articles made largely from human hair but in some cases from mohair or other animal hair.

1618 **Hand stamps and stencils and brands.**
Rubber and metal stamps, dies, seals, and presses, steel letters and figures, check protectors, date and time stamps, numbering machines, copper and brass stamps for marking textiles, steel shoe stamps, etc. Stencils made of brass, steel, or other material for use in painting or marking or in addressing machines; branding irons (irons to be heated and used in marking casks, boxes, articles of merchandise, etc.).

1619 **Hats, straw, men's.**
The manufacture of men's straw hats and the bleaching and finishing of Panama and other straw hats. (Trimmed hats for women and children are classified under "Millinery, not elsewhere classified.")

1620 **Instruments, professional and scientific.**
All kinds of anthropometrical, astronomical, physiological, chemical, and physical apparatus for educational and commercial purposes; drafting instruments; surveyors', nautical, and similar instruments; surgical, dental, orthopedic, and veterinary instruments, etc. Among the numerous products are the following: Speedometers, barometers, thermometers, compasses, binnacles, dental mirrors, micrometers, and spectroscopes.

1621 **Ivory, shell, and bone work, not including buttons, combs, or hairpins.**
Articles made from ivory, shell, mother-of-pearl, horn, or bone, not elsewhere classified. Products include mosaics, knife handles and tips, fobs, buckles, and other fittings for jewelers' use, manicure implements, watch chains, stick pins, hatpins, inlaying for musical instruments, etc.

1622 **Jewelry and instrument cases.**
Cases, trays, fancy boxes, etc., for jewelry, instruments, cutlery, eyeglasses, combs, compasses, cigarettes, pipes, toilet sets, etc.

1623 **Lapidary work.**
Cutting and polishing of diamonds and other precious or semiprecious stones; drilling of pearls; recutting and setting for the trade; preparation of jewels for surveyors' and electrical instruments and for watches and chronometers, and of real and imitation stones for emblems. Much of the work is done on a contract basis on materials owned by others.

1624 **Mattresses and bed springs, not elsewhere classified.**
Mattresses filled with hair, cotton, felt, moss, or similar material; wire springs for use on beds, couches, and cots; spring cushions.

1625 **Models and patterns, not including paper patterns.**
Patterns and models for use in making matrices or molds for casting metal or for making brick, glassware, etc.; hat blocks, pottery braces, wax figures, dress and show forms, stamping outfits, etc.

1626 **Motion pictures, not including projection in theaters.**
All processes and activities connected with the *production* of motion pictures, *not including their projection in theaters.*

Industry No. CLASSIFICATION

1627 Musical instrument parts and materials: Piano and organ.
Piano strings, plates, keys, actions, keyboards, cases, back frames, pedal attachments, hammers, sounding boards, legs, and trusses; organ reeds, pipes, stops, knobs, pedals, and reed boards; and all other parts and materials for pianos and organs, except piano and organ hardware.

1628 Musical instruments and parts and materials, not elsewhere classified.
All kinds of complete musical instruments except pianos, organs, and orchestrions; parts and materials for musical instruments other than pianos, organs, and orchestrions.

1629 Musical instruments: Organs.
Complete organs (pipe and reed).

1630 Musical instruments: Pianos.
Complete pianos, with or without player attachments.

1631 Optical goods.
This classification covers manufacturing opticians. Although some establishments produce complete spectacles and eyeglasses of various kinds, most of them either grind the lenses or make the frames but are not engaged in both lines of manufacture. Products include automatic eyeglass holders, eye shields and shades, eye-testing sets, eyeglasses, frames, and mountings, goggles, lenses, microscopes, telescopes, opera glasses, ophthalmic instruments and apparatus, optometers, photographic and projection lenses and prisms, photomicro and micro-projection apparatus, refractometers, spectrometers, optical measuring instruments, range finders, fire-control apparatus, and optical glass, machinery, and tools.

1632 Paving materials: Asphalt, tar, crushed slag, and mixtures.
Paving blocks and paving materials, mixed or unmixed, for streets and sidewalks, and paving blocks for floors. Blocks are made of asphalt, creosoted wood, and various patented compositions. (*Stone paving blocks, including granite,* are classified under "Marble, granite, slate, and other stone products.") Mixed paving materials include artificial asphalt, asphalt mixture for top coat and binder, bituminous and other cements, liquid asphalt, tar concrete, etc.

1633 Pencils, lead (including mechanical).
Complete lead pencils, wooden; pencils with removable holders and removable leads; holders only; leads only.

1634 Pens, fountain and stylographic; pen points, gold, steel, and brass.
Complete fountain pens, stylographic pens, and ink pencils; rubber holders and other parts; gold pens; steel and other metal pens.

1635 Phonographs.
All kinds of machines for mechanically recording or reproducing speech, music, or other sounds; parts and supplies, such as mechanical parts, record blanks, and records of music, speeches, etc.

1636 Photographic apparatus and materials.
Cameras, motion-picture machines, photostat machines, blue-printing machines, flash-light apparatus, tripods, film rewinders and reels, plate holders, developing tanks, shutters, etc.; films, plates, developers, etc. (Unexposed motion-picture films are included.)

1637 Pipes (tobacco).
All kinds of smokers' pipes, pipestems, etc.

1638 Roofing, built-up and roll; asphalt shingles; roof coatings other than paint.
Asphalt shingles, roofing cement, crushed furnace slag, tarred and other saturated felts, mastic, and roofing pitch. (The laying of roofing, which is a building and not a manufacturing process, is not included in this industry.)

1639 Sandpaper, emery paper, and other abrasive paper and cloth.
Sandpaper, sand cloth, emery paper, emery cloth, flint paper, glass paper, etc.

Industry No. CLASSIFICATION

1640 Signs and advertising novelties.
Electric signs; other signs, such as illuminated signs, "talking signs," street-car destination signs, painted and decorated show cards, etc.; advertising novelties—tools, utensils, and conveniences marked with advertising notices, such as corkscrews, matchboxes, calendars, memorandum books, etc.

1641 Soda-water apparatus.
Soda fountains, tanks, siphons, etc.

1642 Sporting and athletic goods, not including firearms or ammunition.
Boxing gloves; punching bags; dumb-bells; clay-pigeon traps; fishing rods and tackle; baseball, football, basketball, tennis, golf, and polo goods; exercising machines; skates, ice and roller; snowshoes; toboggans; decoys; etc.

1643 Stationery goods, not elsewhere classified.
Papeterie and other stationers' specialties; inkstands; penholders, desk pads, etc.; calendars; copying devices; maps (wall, school, and other) and globes; school supplies; etc.

1644 Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified.
Packing for use in stuffing boxes of steam engines, in pipe joints of many kinds, and in air compressors; gaskets for internal-combustion engines; and heat insulating materials for use as covering on boilers, steam and hot-water pipes, ammonia pipes in refrigerating plants, etc.

1645 Surgical and orthopedic appliances, including artificial limbs.
Surgical appliances other than surgical instruments and dental appliances; bandages; dressings. Specific products include, among others, trusses, elastic hosiery and belts, braces, extension shoes, arch supports for insteps, obesity belts, surgical gauze, douches, pneumatic splints, abdominal supporters, shoulder braces, "magnetic" insoles, sutures, eardrums, electric belts, anklets, kneecaps, suspensories, etc.

1646 Theatrical scenery and stage equipment.
Scenery for theaters, opera houses, halls, and schools; advertising curtains; stage hardware and equipment; floats for street pageants; etc. (Incidental work done on scenery in theaters is not included.)

1647 Tobacco: Chewing and smoking, and snuff.

1648 Toys (not including children's wheel goods or sleds), games, and playground equipment.
All games for adults except those classifiable under "Sporting and athletic goods, not including firearms or ammunition" and those played with ordinary playing cards (classified under "Paper goods, not elsewhere classified"); all games for children; magic lanterns; carrousels; dolls and doll clothing; conjuring apparatus; puzzles; toy furniture and utensils; playground goods; toy building blocks; children's driving reins; rattles and floor-rolling chimes; toy drums; hobbyhorses and rocking-horses; kites; magical apparatus, tricks, and novelties; masks; mechanical toys; toy railways, engines, and cars; toy savings banks; wigwams; marbles; fabric and leather-covered balls; educational boards; toy tools, canes, pistols, bells, and air rifles; etc.

1649 Umbrellas, parasols, and canes.
Umbrellas, parasols, cases, handles (other than gold or silver), frames and other parts; canes. (Gold handles are classified under "Jewelry" and silver handles under "Silversmithing and silverware.")

1650 Whips.
Whips, riding whips, and crops, whipstocks, whiphandles, whiplashes, etc.

1651 Window shades and fixtures.
Window shades, rollers, curtain poles and rods, etc.

APPENDIX B—GENERAL SCHEDULE

CONFIDENTIAL GOVERNMENT REPORT

File No. _____

FOR OFFICE USE ONLY
(State and County) _____
(City) _____
(Industry Number) _____

Form 100
DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
WASHINGTON

The law makes it obligatory upon every manufacturer to furnish census data. All answers will be held in strict confidence.

CENSUS OF MANUFACTURES, 1929

REQUIRED BY ACT OF CONGRESS APPROVED JUNE 18, 1929

GENERAL SCHEDULE

Under the law, no one not a sworn employee of the Bureau of the Census will be permitted to examine your report, and no information can or will be given out by the Bureau of the Census to any person outside that Bureau, whether in Government or in private life, which would disclose, exactly or approximately, any of the facts or figures in your report.

GENERAL INSTRUCTIONS.—Reports are required from all plants. Separate reports are required for plants in different counties and for those in different cities having 10,000 inhabitants or more. A combined report may be made for two or more plants in the same city or in the same county when located in places with fewer than 10,000 inhabitants. Name and location of each plant must be specified. Data for mining and quarrying should be omitted. (See accompanying instructions in regard to transportation and merchandising activities.)

1. DESCRIPTION OF PLANT.—*If this report covers more than one plant, give name and location of each, under "Remarks," page 4. (See "General Instructions," above.)*

a. NAME OF PLANT _____

b. NAME OF OWNER OR OPERATOR _____

Is this owner or operator an incorporated concern? _____ (Yes or No)

LOCATION OF PLANT

c. STATE _____ *d.* CITY, TOWN, OR VILLAGE _____

e. COUNTY _____ *f.* STREET AND NUMBER _____

g. POST OFFICE ADDRESS IF DIFFERENT FROM LOCATION (*d*) _____

h. IS PLANT LOCATED WITHIN BOUNDARIES OF CITY, TOWN, OR VILLAGE AS INCORPORATED? _____ (Yes or No) If not, name the township, borough, or other civil division in which the plant is located _____

i. IS THIS A NEW PLANT WHICH STARTED OPERATIONS AFTER JANUARY 1, 1928? _____ (Yes or No)

j. INDICATE BY CHECK MARK (√) IN PROPER SPACE WHETHER, SINCE JANUARY 1, 1928, THIS PLANT HAS CHANGED ITS NAME_____; LOCATION_____; OWNERSHIP_____; GENERAL NATURE OF BUSINESS_____ If so, give former name, location, ownership, or nature of business _____

k. IS THIS PLANT A BRANCH OR SUBSIDIARY OF SOME OTHER CONCERN? _____ (Yes or No) If so, give name and address of such concern _____

2. CHARACTER OF INDUSTRY.—These answers should be as definite as possible in brief space, indicating specific products and materials, not broad general classes. Return with the schedule a card, catalogue, or other printed matter ordinarily used by the concern to show the nature of its business.

a. PRODUCTS _____
(Specify chief kinds of goods manufactured or kinds of work done)

b. MATERIALS USED _____
(Specify principal kinds of materials or stock, in order of importance)

3. PERIOD COVERED.—This report should relate *preferably* to the calendar year 1929; but it may be made to cover the business or fiscal year ending within the period from April 1, 1929, to March 31, 1930. It should, in either case, cover a full year's operations, unless the plant was newly organized or went out of business within the year.

The fiscal year or period covered by the information given below— { Began _____, 192__ / Ended _____, 19____

4. TIME IN OPERATION AND HOURS OF LABOR:

a. NUMBER OF DAYS THE PLANT WAS OPERATED DURING PERIOD COVERED _____
(Give the number of days the plant, or any important part of it, was in operation. Days when shut down for repairs or for other causes should not be included. Do not include Sundays and holidays unless the plant was in actual operation.)

(*In answering b, c, and d, give figures based on practice followed during the year, without attempting to indicate minor variations; take note of e.*)

b. NORMAL NUMBER OF HOURS PLANT WAS OPERATED: PER DAY _____; PER WEEK _____

c. NORMAL NUMBER OF SHIFTS PER DAY _____

d. NORMAL NUMBER OF HOURS PER WEEK FOR THE INDIVIDUAL WAGE EARNER _____

Does this number of hours refer to a 6-day, a 5½-day, or a 5-day week, or to some other basis (specify)? _____

e. IF DURING PROLONGED PERIODS THE PLANT WORKED PART TIME (part of the normal working days per week or part of the normal hours per day), GIVE REASONS AND APPROXIMATE DATES _____

(OVER)

[Page 2 of Manufactures General Schedule]

5. **PERSONS ENGAGED.**—Number December 14, 1929, as per pay roll. If this was not a representative day, give data for the nearest representative or normal day, stating here what date is used. **Do not count the same person twice under different headings.**

	Male	Female
a. Proprietor or firm members (not applicable to incorporated companies)		
Salaried employees as follows:		
b. Principal officers of corporations. (Do not include directors unless holding other offices on salary)		
c. Managers, superintendents, and other responsible administrative employees; foremen and overseers who devote all or the greater part of their time to supervisory duties; clerks, stenographers, bookkeepers, and other clerical employees on salary. (Do not include foremen and overseers in minor positions; see 5–*d*.)		
Total salaried employees (sum of *b* and *c*)		
d. Wage earners.—(Report skilled and unskilled workers of all classes, including engineers, firemen, watchmen, packers, etc.; also foremen and overseers in minor positions who perform work similar to that done by the employees under their supervision. Include pieceworkers employed in the plant covered by this report, but do not include persons working in other plants or at home on materials furnished by your establishment.)		

6. **WAGE EARNERS EMPLOYED, BY MONTHS.**—Give number on pay roll for week which included 15th day of month, if this was a normal week. If not, give number for a normal week. (Follow instructions under Inquiry 5–*d* as to who are to be included.) Figures given in this inquiry should relate to ***calendar year 1929***. If remainder of report refers to some other period, give under "Remarks" (page 4) figures for those months in 1928 or 1930 which fall within that period. (See Inquiry 3.)

Jan.	Feb.	Mar.	Apr.	May	June
July	Aug.	Sept.	Oct.	Nov.	Dec.

7. **SALARIES AND WAGES.**—Amounts paid during the period covered by this report. Include bonuses or percentages of profits when paid either to officers and salaried employees or to wage earners.

a. Total amount of salaries of principal officers of corporations (see Inquiry 5–*b*) ..... $

b. Total amount of salaries of managers, superintendents, and other responsible administrative employees; foremen and overseers; clerks, stenographers, bookkeepers, and other clerical employees on salary (see Inquiry 5–*c*) ..... $

c. Total amount paid to wage earners, as defined under Inquiry 5–*d* ..... $

Aggregate of salaries and wages (sum of items *a*, *b*, and *c*) ..... $

8. **MATERIALS, FUEL, AND ELECTRIC CURRENT.**—The items entered below should relate *preferably* to the amounts of materials, fuel, and electric current *actually used* during the period covered; but if it is impracticable to report materials and fuel on this basis, enter the costs of the amounts purchased during the period. Include freight and haulage costs, but not the cost of haulage performed by the plant's own employees and equipment if practicable to segregate it. Place a check mark (√) after the word "used" or "purchased," as the case may be, in the space below.

The entries for materials and fuel, as given for this inquiry, refer to the costs of the amounts— { Used ..... / Purchased .....

a. Cost of all materials and raw stock actually used (including those transferred from other plants under the same ownership) during the period covered by this report, which entered into the products manufactured, together with the cost of containers for sale with products. ***Do not include cost of mill or shop supplies*** ..... $

b. Cost of fuel actually used (including that transferred from mines, wells, or plants under the same ownership) during the period covered by this report (total of items in Inquiry 11–*a*) ..... $

c. Cost of purchased electric current (see Inquiry 11–*b*) ..... $

Total cost of materials, fuel, and electric current (sum of *a*, *b*, and *c*) ..... $

9. **PRODUCTS.**—Report the net selling values at the plant of all products of your own manufacture shipped or delivered to customers (or to warehouses on customers' accounts) during the period covered; or, if transferred to other plants under the same ownership, the value at which the transfers were made. All products, including by-products, should be covered. The principal products should be reported separately. Values should include those of containers sold with products. Report value at the factory (not at some other point of delivery).

Products (report chief products separately)	Quantity	Value
a.		$
b.		$
c.		$
d. All other (specify)		$
		$
e. Contract work done in your plant on materials furnished by others (total receipts)		$
f. Custom work and repairing (total receipts)		$
Total value of products		$

If the value of the products actually *manufactured* during the period covered by this report ***differed by more than 10 per cent*** from that of the products ***shipped or delivered***, give also, in the space indicated, the exact or estimated value, ***based on selling prices f. o. b. factory***, of the products *manufactured* (including receipts for contract and custom work and repairing).

Value of products manufactured, $.....

120834—33——39

[Page 3 of Manufactures General Schedule]

10. POWER EQUIPMENT.—Give figures for equipment as of the end of the period covered by this report.

Important Note.—The form of this inquiry is different from that previously used, the purpose being to distinguish between active and inactive prime movers and generators. It is desired, at the same time, to obtain a total which shall be comparable with that reported at the 1927 census, when the inquiry called simply for a combined total of "all power equipment in the plant, active and emergency." By "emergency" equipment is meant that which is capable of being put into operation promptly, but which is used only in case of breakdown of the active equipment or at rather rare intervals when an exceptional load occurs. Equipment which is regularly used, but not usually on full time, should be classed as active.

	NUMBER	HORSEPOWER
a. PRIME MOVERS—total, active and emergency:		
Steam engines		
Steam turbines		
Internal-combustion engines (oil, gas, gasoline, etc.)		
Water wheels and turbines		
Total of above		
Rated horsepower of above equipment which is not ordinarily active (included in "Total of above")..... Horsepower	x x x x x	x x x x x x x
b. ELECTRIC MOTORS DRIVEN BY PURCHASED CURRENT—total, active and emergency		
c. ELECTRIC MOTORS DRIVEN BY CURRENT GENERATED IN PLANT—total, active and emergency		
		KILOWATTS
d. ELECTRIC GENERATORS DRIVEN BY PRIME MOVERS IN THE PLANT (do not include rotary converters or motor-generator sets)—total, active and emergency		
Rated capacity of generators which are not ordinarily active (included in "Total, active and emergency")..... Kilowatts	x x x x x	x x x x x x x

11. FUEL AND ELECTRIC CURRENT:

a. FUEL USED (including that transferred from mines, wells, or plants under the same ownership) during the period covered by this report. Include fuel used for all purposes—for power, heat, and light, or as material for making gas, coke, etc.—but do not include oil or gas if none is used except for lighting.

	UNIT OF QUANTITY	QUANTITY	COST DELIVERED AT FACTORY
Coal, anthracite	Long ton		$
Coal, bituminous	Short ton		$
Coke	Short ton		$
Fuel oils (including crude oil and gas oils)	Gallon		$
Gasoline and kerosene	Gallon		$
Natural gas	M cu. ft.		$
Manufactured gas	M cu. ft.		$
Total cost			$

b. ELECTRIC CURRENT. (Report current generated or purchased during the year for all uses; but a plant which buys current for lighting *only* should not report it.)

	KILOWATT HOURS	COST
Generated in the plant		x x x x x x x
Purchased		$

12. DISTRIBUTION OF SALES.—Report below, in the proper spaces, the values (at f. o. b. factory prices) of goods shipped or delivered to customers (or to warehouses on customers' accounts) during the period covered. The total should be the same as the total given for Inquiry 9, Products. If exact figures are not available, give the best possible approximations.

	AMOUNT
a. SALES TO MANUFACTURERS AND INTERPLANT TRANSFERS	$
b. SALES TO RAILROADS, PUBLIC-UTILITY COMPANIES, AND CONTRACTORS	$
c. SALES THROUGH BRANCH HOUSES WHICH ARE CONDUCTED AS DISTINCT WHOLESALE MERCHANDISING ESTABLISHMENTS	$
d. SALES THROUGH MANUFACTURERS' AGENTS, BROKERS, AND COMMISSION HOUSES	$
e. SALES THROUGH WHOLESALERS AND JOBBERS (INCLUDING EXPORTING HOUSES)	$
f. SALES TO RETAILERS, INCLUDING RETAIL STORES OWNED BY MANUFACTURER	$
g. SALES TO HOTELS, RESTAURANTS, AND INSTITUTIONS	$
h. SALES TO HOME CONSUMERS (THROUGH FIELD AGENTS OR OTHERWISE)	$
i. SALES NOT DISTRIBUTED ABOVE (INDICATE CHANNELS THROUGH WHICH SOLD):	
----------	$
Total sales (same as total for Inquiry 9)	$

THIS IS TO CERTIFY that the information contained in this report is correct and complete to the best of my knowledge and belief, and covers the period from ----------, 192---, to ----------, 19-----

---------- (Signature and official title of person furnishing the information)

---------- (Signature of special agent)

---------- (Address)

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REMARKS:

UNIV. OF MD COLLEGE PARK
3 1430 03230506 4

45204

DO NOT CIRCULATE